MAY 0 2 2006 Form PTO-1595 (R.v. 09/04) OMB No. 0651-00279 exp. 6/30/2005)

10-07-2005

U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

TRADEMARKS . 1030964	
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Name of conveying party(les)/Execution Date(s):	2. Name and address of receiving party(ies)
AT&T Wireless Service, Inc.	Name: Cingular Wireless II, LLC.
	internal Address: Suite 1700
Execution Date(s) 10/27/2005; 4/11/2005	Street Address: 5565 Glennidge Conn.
Additional name(s) of conveying party(les) attached? Yes No	Off BB! Addieso:
3. Nature of conveyance:	
✓ Assignment Merger	City: Atlanta
Security Agreement Change of Name	State: Georgia
Government Interest Assignment	Country: usa Zip: 30342
Executive Order 9424, Confirmatory License	
Other	Additional name(s) & address(es) attached? Yes V No
	document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s) See Attached Sheets
See Attached Sheets	Z C
	See Attached Sheets OR OR FINA F
Additional numbers at	tached? Yes No
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed:	involved: 513
Name:Cinqular Wireless, LLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 20.520
Internal Address: Attn; Linda Giles	Authorized to be charged by credit card
#1725A	Authorized to be charged to deposit account
	Enclosed
Street Address: 5565 Glenridge Connector	None required (government interest not affecting title)
City: Atlanta	8. Payment information
State: Georgia Zip: 30342	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: <u>404-236-6720</u>	b. Deposit Account Number <u>502450</u>
Fax Number:	
Email Address: linda.glles@cinqular.com	Authorized User Name Coulter C. Henry
9. Signature:	9/27/2005
Signature	Date
Coulter C. Henry, Reg. No.: 51,121	Total number of pages including cover sheet, attachments, and documents:
Name of Person Signing	SHORT EVEN HIGHER CO.

Patents

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PATENT ASSIGNMENT AGREEMENT

4048817777

THIS PATENT ASSIGNMENT AGREEMENT ("Assignment") is executed by and between New Cingular Wireless Services, Inc., a Delaware corporation ("Assignor") Illa AT&T Wireless Services, Inc., on the one hand, and Cingular Wireless II, Inc., a Delaware corporation ("Assignee"), on the other hand.

WHEREAS. Assignor is the owner of certain patentable inventions, patent applications and patents (as disclosed and set forth in Schedule A; collectively, the "Patents"), which Assignor desires to assign to Assignee; and

WHEREAS, Assignee desires to accept such assignment of the Patents.

NOW, THEREFORE, in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

- 1. Assignment of Patents. Effective as of the date hereof, Assignor assigns, transfers and conveys to Assignee, its successors, assigns and legal representatives, all of Assignor's right, title and interest in and to the Patents, all agreements and contracts of Assignor related to such Patents (the "Related Agreements") and the improvements and inventions disclosed in said Patents throughout the world, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions and improvements in Assignee's own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries. Assignor authorizes and requests the Commissioner of Patents and Trademarks and any foreign registrar or governmental authority to issue all patents on said applications or applications resulting therefrom to said Assignee, as assignee of Assignor's entire interest. Assignor agrees that it will communicate to said Assignee or its representatives any facts known to Assignor respecting said improvements and inventions, and, at Assignee's expense, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said Patents in all countries, and asserts that it will not execute any agreements inconsistent therewith. Assignee acknowledges that Assignor's assignment of any jointly owned Patent identified on Schedule A shall be subject to any rights such joint owner may have in such Patent.
- 2. Assumption. Effective as of the date hereof, Assignee hereby assumes the due and full payment and performance of all of the liabilities and obligations of Assignor under the Related Agreements.
- 3. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the United States of America and of the State of Delaware.

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Execution Copy

- 4. Successors and Assigns. This Assignment shall inure to the benefit of and be binding on the successors and assigns of both parties.
- 5. Patents Subject to Consent. To the extent that any of the Assignor's right, title or interest in and to the Patents or any other rights, contracts, agreements or assets of the Assignor related thereto and/or liabilities or obligations of Assignor purported to be assigned hereunder may not be assigned, transferred or conveyed to, or assumed by, Assignee without the consent, release, authorization or waiver of any third party and such consent, release, authorization or waiver has not been obtained prior to the date hereof (such Patents and other rights, contracts, agreements and assets, the "Non-Transferable Patents" and such liabilities and obligations, "Non-Transferable Liabilities"), this Assignment shall not constitute an assignment, transfer, conveyance or assumption or an attempted assignment, transfer, conveyance or assumption thereof. In this circumstance, this Assignment shall to the extent possible under the Non-Transferable Patent and applicable law constitute an equitable assignment by Assignor to Assignee of all of Assignor's right, title and interest in and to, the Non-Transferable Patents and Assignee shall be deemed to be Assignor's agent for the purpose of paying, performing or discharging the Non-Transferable Liabilities on behalf of Assignor. Assignor shall take all actions reasonably requested by Assignee to provide Assignee with the benefits of the Non-Transferable Patents, including with respect to the enforcement of rights with respect thereto. Assignee shall, with respect to the Non-Transferable Liabilities, pay, perform or discharge in accordance with their terms all liabilities and obligations of Assignor under the Non-Transferable Liabilities. If Assignor is unable to effect an equitable assignment of any Non-Transferable Patent, Assignor shall transfer to Assignee an amount of cash equal to the fair market value (determined as of the date of this Assignment) of such Non-Transferable Patent.

[signatures on following pages]

Execution Copy

Executed this 21^{4} day of October, 2004.

Assignor: NEW CINGULAR WIRELESS SERVICES, INC. f/k/a
AT&T Wireless Services, Inc.

By:

11-10-2004 - 05:42pm

Name: Stephen A. McCan

Title: Vice Porsident - Corporate Developme

APPROVED:

STATE OF GEORGIA
COUNTY OF Fulton

On this $\underline{\mathcal{I}}$ day of October, 2004, before me, a Notary Public in and for the State and County foresaid, personally appeared $\underline{Stephen}$ A. Mc Caw known by me to be the person above named and an officer of New Cingular Wireless Services, Inc., duly authorized to execute this Assignment Agreement on behalf of New Cingular Wireless Services, Inc., who signed and executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc.

Notary Public My Commission Expires:

Sherry of Garret

SHERRY L. GARRETT - NOTARY PUBLIC

County of DeKalb

State of Georgia

My Commission Expires Oct. 16, 2005

Execution Copy

Acknowledged this 27 4 day of October, 2004.

Assignee: CINGULAR WIRELESS II, INC.

Name: Stephen A. McGand Title: Vice President-Corporate Development

AFFROYED;

STATE OF COUNTY OF

On this 37 day of October, 2004, before me, a Notary Public in and for the State and County foresaid, personally appeared 5+tehen mc Gaw known by me to be the person above named and an officer of Cingular Wireless II, Inc., duly authorized to execute this Assignment Agreement on behalf of Cingular Wireless II, Inc., who signed and executed the foregoing instrument on behalf of Cingular Wireless II, Inc.

Notary Public My Commission Expires:

SHERRY L GARRETT - NOTARY PUBLIC

Sherry & Harrett

County of DeKalb

State of Georgia

My Commission Expires Oct. 16, 2:305

Schedule 1

Patents

All inventions and trade secrets and related rights of Assignor not otherwise listed below

				_		4		_
Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title	
Number	Number	AGURING!	AT&T Wireless	United States	15-Jun-95	10-Jun-97	Antenna for Enhanced Radio Coverage	$\neg \tau$
143.03	0043000		A TO T VAII CODE	United States	07-Jun-95	09-Sep-97	Antenna	$\neg \neg$
148.US	29/041775	D383463	NIGIGOS AND THE PROPERTY OF TH	European Patent	06-Oct-94		Antenna Mounting System	
149.EPC	95902387		A I & I Wireless	Control Chates	08. hm-95	24~Jun-97	Antenna Mounting System	آء
149.US	1965220	5641141	AT&I Wireless	Ollifed Oldres			Arrangement of Displays	
9			AT&T Wireless	United States	23-Sep-94	13-Jan-98	Communications Terminals	8
150.05	29/024930	21.600	AT 9 T Mireless	United States	23-Jun-94	17-Oct-95	Virgiess Carimanicatoris Terminal	\Box
153.US	29/024955	D363281	Algi Wildiass		26 May 07	01-114-03	Personal Communicator	
154.US.C2	08/979110	6587700	AT&T Wireless	United States	16-A0N-07		Personal Communicator	
154 11S (C2(1)	10/455125		AT&T Wireless	United States	05-Jun-03		With Flip Element Display High Rate Reed-Solomon	J
134.03.02						-	Concatenated Trellis	
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	0105/00749_0	P19509749-0	AT&T Wireless	Brazil	22-Nov-95	17-Feb-04	Radio Hinh Rata Reed-Solomon	٦.
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155.CA	2203903		AT&T Wireless	Canada	CE-A0A1-27			

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	Title	High Rate Reed-Solomon Concatenated Trellis	Coded 16 Star QAM	System for Hallsmasson Control Data Over Cellular Mobile	Radio	High Rate Reed-Solomon	Concatenated Treins	System for Transmission of	Data Over Cellular Mobile	Radio	High Rate Reed-Solomon	Concatenated Trellis	Coded 16 Star CAM	System for Transmission of Data Over Cellular Mobile	Radio	Cyclic Trellis Coded	Modulation	Cyclic Trellis Coded	Modulation	Cyclic Trellis Coded	Paper Turne	Modulation	Cyclic Trellis Coded	Modulation	Cyclic Trellis Coded	Modulation	Cyclic Trellis-Coded	Cvalic Trellis-Coded	Modulation	System and Method for	Wireless Tarismission of	Differentially Encoded Pilot	Words	Differentially Encoded Pilot	Word System and medical	
Grant					16-Mar-00				,	19-Aug-97					17-Nov-98		13-Apr-04		25-May-00	0 10	07-001-87	03.Aug-99	B	21-Jul-98		25-May-99	40 40	10-1m					17-Jul-03			
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		Owner				AT&T Wireless		-			AT&T Wireless			-		AT&T Wireless		AT&T Wireless		AT&T Wireless	AT&T Wireless		AT&T Wireless		AT&T Wireless	ATOT Mirelace	Algi Wicios	AT&T Wireless		AT&T Wireless			•	AT&T Wireless	ATAT Wireless	
	Patent	Number				195559		-			5659578					5838728		mailed		196647		26/2290	5931965		5784417		5907565	R578173						PI9509910-7		
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•	Docket						VM.CCI					155.US					155.US.C1	1 56 98		156 MX		156.US		156.03.01	1000	120.03.01	156.US.D2		156.US.D2C1(1)	(6)1 360 31 331	156.03.020.161			157.BR		157.CA

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Title	for Wireless Transmissions of Digital Data	System and Method for Wireless Transmission of Digital Data Using	Words Encoded Filot	Differentially Encoded Pilot Word System and Method for Wireless Transmissions of Digital Data	Location Registration System for a Personal	Communicator Such as a Cellular Telephone	Location Registration System for a Personal Communicator Such as a	Location Registration	Communicator Such as a Cellular Telephone	Location Registration System for a Personal	Cellular Telephone	System for a Personal Communicator Such as a	Cellular Telephone	System for a Personal Communicator Such as a	Cellular Telephone	System for a Personal Communicator Such as a	Cellular Telephone	of a Preferable Wireless Communications Service	Provider in a Multi-Service
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Application Date			22-Nov-95	20 100		31-Oct-91	24 004 04	16150115	31-Oct-91		31-0¢-91		31-Oct-91		31-Oct-91		31-04-90		21-Oct-96
Country			Mexico		Ollica States	Germany		Denillain	France		Great Britain		Sweden		Spain		United States		Canada
Owner			AT&T Wireless		AIGI Wireless	AT&T Wireless		AI & I WITE LESS	AT&T Wireless		AT&T Wireless		AT&T Wireless		AT&T Wireless		AT&T Wireless		AT&T Wireless
Patent			195560		5809083	60128727.0	6.77.07.60	566582	Condo	200202	566582		566582		2112309		5197092		2188334
Application			9703832		08/344238	2000		92900021.4		92300021.4	92900021 4		566582		566582		07/606523		2188334
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Docket	Application	Patent		Country	Application Date	Grant Date	Title	
Number	Number	Number	Owner	Treaty			Network Communication Device	
							Memory Exceed	
		•					Notification for Wireless Network Communication	
	,		ATRT Mireless	Talwan	23-Jun-97	24-Aug-00	Device	
WT.702	86108772	114335	Alai Wildios				Memory Exceed	
	·		-				Network Communication	•
		300000	AT&T Wireless	United States	07-Mar-00	30-Sep-03	Device	
207.US.C1	09/519993	C569700	2000				Landline-Supported Phyate	
		·					Base Station for Collecting Data and Switchable Into a	
•				Tohran	12-Dec-97	08-Sep-99	Cellular Network	
WT.602	86118807	103007	AT&I Wireless	Idiwaii			Landline-Supported Private	
			•	•		,	Base Station for Collecting	
	-						Data and Switchable Into a	
	7100010	6160805	AT&T Wireless	United States	17-Dec-96	02-Jan-01	Cellular Network	
209.US	08//683/1	0109010			-		Telephone System Having	
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					•		base station contrained	
240 00	0710080-4		AT&T Wireless	Brazil	24-Jun-97		Tolophone System Having	
Z 10.01						:	Landline-Supported Private	
		· .					Base Station Switchable	
	-			Canada	24-hin-97	18-Mar-03	Into Cellular Network	
210.CA	2259273	2259273	Al&i wireless	Callada			Telephone System Having	
							Landline-Supported Private	
				European Patent	3		Table Cellular Network	-
210.EPC	97930213		AT&T Wireless	Convention	24-Jun-97		Telephone System Having	
							Landline-Supported Private	
						,,	Base Station Switchable	
			AT&T Wireless	Japan	24-Jun-97		Into Cellular Network	
210.JP	10-504243		2000				Telephone System Having	
		·. ·					Landline-Supported Private	_
					}		Dase Stallor Switched	<u>.</u>
210 MX	990238		AT&T Wireless	Mexico	24~Jun-97		Telephone System Having	<u>. </u>
							Landline-Supported Private	-
• .	·						Base Station Switchable	
		03763	AT&T Wireless	Taiwan	24-Jun-97	16-Jul-98	Into Cellular Network	_
210.TW	92990199	30405						

Docket	Application	Patent		Country	Application	Grant Date	Title
Nimber	Number	Number	Owner	Name	Date		Telephone System Having
							Landline-Supported Private Base Station Switchable
			-	United States	28-Jun-96	07-Mar-00	Into Cellular Network
210.US	08/671745	6035193	AT&I WIREIESS	200000000000000000000000000000000000000			Roaming Authorization
	1013010	2105404	AT&T Wireless	Canada	20-Jan-97	24-Apr-01	System
211.CA	Z185484	200017		European Patent	. 1		Roaming Authorization
702	07101730 B		AT&T Wireless	Convention	04-Feb-97		Roaming Authorization
Z11.EFC			AT&T Wireless	United States	05-Feb-96	25~Jun-02	System System
211.US	1951340	641180/		I talked States	17_lan_02	06-May-03	System
211.US.C1	10/051713	6560455	AT&T Wireless	Onlied States			Location-Dependent
		2405407	AT&T Wireless	Canada	20-Jan-97	15-Oct-02	Cellular Service Prome
213.CA	2195487	219346/		3	0. 4en 00.	07-Sep-99	Location-Dependent Cellular Service Profile
242116	08/603290	5950125	AT&T Wireless	United States	20-121-02		Method and Apparatus for
213.03	0.0000				1		Determining the Location
	27772		AT&T Wireless	Brazil	20-Feb-97		Method and Apparatus for
218.BK.CP1	-/444/						Determining the Location
				cpcao.	21-Jan-97	04-Sep-01	of a Mobile Telephone
218 CA CP1	2195591	2195591	AT&T Wireless	Callana			Method and Apparatus for
							Determining the Location
			ATET Wireless	Mexico	17-Feb-97	09-Feb-01	of a Mobile Leiephione
218.MX.CP1	971205	200820	1510				Determinion the Location
			. :	Soft Challen	07_110-95	24-Mar-98	of a Mobile Telephone
218.US	08/472082	5732354	AT&T Wireless	OFFICE CIGAGO			Method and Apparatus for
						03.Mar.98	of a Mobile Telephone
218 IS CD1	08/603793	5724660	AT&T Wireless	United States	20-rep-90	20	Radio Telephone With
					25-Nov-96	16-May-00	Detachable Pager
221.CA	2191143	2191143	AT&T Wireless	Canada	201107		Radio Telephone With
		. !	A TOT Minglace	United States	21-Dec-95	29-Dec-98	Detachable Pager
221.US	08/576385	5854984	Alai Widios				Method and Apparatus for Indicating to a Wireless
					-		Network the Operational Mode of a Wireless
				- chord	04-Dec-96	•	Communicator
223.CA	2219366		AT&T Wireless	Callada			

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			-	Furnean Patent			Mode of a Wireless
				Convention	04-Dec-96		Communicator
223.EPC	96944746.5		A I & I WITEIESS	Contraction			Method and Apparatus for
				:			Indicating to a Wireless
		-				•	Network the Operational
	•						Mode of a Wireless
				- The state of the	04.Dec.98		Communicator
223 MX	976970		AT&T Wireless	Mexico	2000-10		Method and Apparatus for
		-					Indicating to a Wireless
	,			-			Network the Operational
	,						Mode of a Wireless
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223.03	00001				-		A Melinoo for Selecting a
							Wireless Communications
				· •			Service Provider III a Mulu-
							Service Provider
•				20000	21-Oct-96	24-Apr-01	Environment
224 CA	2188330	2188330	AT&T WIreless	Callana	22 22 22		A Method for Selecting a
							Wireless Communications
							Service Provider in a Multi-
				10000			Service Provider
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002760	06120011		AT&T Wireless	Convention	12-080-90		A Mathod for Selecting a
224.EF.C	30120011						A tituland Committee
							Wildian Organization of Mailli
							Service Provider in a mon
		•	-				Englishment
71.00	066330	200025	AT&T Wireless	Mexico	08-Dec-96	13-060-00	A Mothod for Selecting a
224.MX	300230				± .		Naticalore Comminications
							Source Provider in a Multi-
							Service Provider
					20 000	02.Nov-08	Fovironment
224 115 (24	7 08/969710	5832367	AT&T Wireless	United States	78-DCI-87	201120	Method for Selecting a
254,00.01							Wireless Communications
							Service Provider in a Multi-
				•			Service Provider
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CJ 311 FCC	00/15/2027	6282420	AT&T Wireless	United States	15-Sep-98	28-Aug-01	A Method for Selecting a
224.03.02	03/10/52/						Wireless Comminications
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224 115 0201	09/425240	6430396	AT&T Wireless	United States	Z2-0G-33	TO ROUGO	
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							Service Provider in a Multi-	<u>-</u>
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224.US.CZC1(I)	000000						Wireless Communications Service Provider in a Multi-	
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		,	AT&T Wireless	United States	25-May-04		Method and Apparatus for	5
224.US.C2C1(2)	-603471		Alai Wilding				Storing Activation Data in a	e c
					28_ hil.07	26-Oct-99	Cellular Telephone	
	00,004007	5974311	AT&T Wireless	United States	20-102-07		Method and Apparatus for	 o <u>o</u>
225.US.C1	00/30/1027				•	;	Storing Activation Data in a	
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226118 63	1902793	6748209	AT&T Wireless	United States.	D Roy 20		Method and Apparatus for	2 <u>c</u>
223.03.00					70 701		Cellular Telephone	
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226 US.C1	09/439015	6584175	AT&T Wireless	Omeo			Wireless Network Offering	ring Ting
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	1707100		AT&T Wireless	Canada	10000		Dynamically	ğ
232.CA	77/451/			European Patent			Reconfigurable wireless Communicator	2
			AT&T Wireless	Convention	16-001-9/		Dynamically	1
232.EPC	97954673.6						Reconfigurable Wireless	88 88
				.tenan	16-Oct-97		Communicator	
232.JP	-100135		AI&I WIREESS				Reconfigurable Wireless	288
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232.US	08/644638	5819173	AT&T WIRBIESS	2000		•		
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10 10/226755 61/26033 AT&T Wireless United States 19-Ju400 03-08-0/2 No. 10/226755 61/26033 AT&T Wireless United States 19-Ju400 03-08-0/2 No. 10/226755 61/26033 AT&T Wireless Canada 06-Sep-96 Canada No. 2335283 AT&T Wireless Canada 06-Sep-96 Canada	mber	Number	Number	Owner	Name			Customer Activation
10/12/26755 6725033 AT&I Wheless United States 23-Aug-02 20-Apr-04 No. 10/12/26755 6725033 AT&I Wheless United States 31-Mar-04 Order				AT&T Wireless		19-Jul-00	03-Dec-02	Network
10726755 6725033 AT&T Wireless United States 23-Aug-02 20-Apr-04 New Periods New Per	5	09/619108	6490445					System for Cellular
10/814574 AT&T Wireless	S.C.1(1)	10/226755	6725033	AT&T Wireless	United States	23-Aug-02	20-Apr-04	Customer Activation
Cit(2) Tubits/14 ATÁT Wireless Canada 06-Sep-96 25-Jun-02 68-50-96 D1 2231452 2231452 ATÁT Wireless Canada 06-Sep-96 06-Sep-96 07-00-00 D2 2335283 ATÁT Wireless Canada 06-Sep-96 0-0-00-00			\	AT&T Wireless	United States	31-Mar-04		System for Cellular Network Cordless Cellular System
D1 223253 AT&T Wireless Canada 06-Sep-96 BB D2 2335283 AT&T Wireless Canada 06-Sep-96 Concept D3 2335283 AT&T Wireless Canada 06-Sep-96 Concept C 96330783.4 AT&T Wireless Convention 06-Sep-96 Concept C 96330783.4 AT&T Wireless Convention 06-Sep-96 Concept C 96330783.4 AT&T Wireless Convention 06-Sep-96 Concept C 96330783.6 AT&T Wireless Convention 06-Sep-96 Convention C 3103378.3 AT&T Wireless Convention 106-Sep-96 Convention C 3103378.3 AT&T Wireless Hong Kong 13-May-03 Convention C 3103378.3 AT&T Wireless Hong Kong 13-May-03 Convention C 3103378.3 AT&T Wireless Japan 06-Sep-96 Color-97 C 20031.1 10123603 6681118 AT	S.C1(2)	10/8145/4	2231452	AT&T Wireless	Canada	06-Sep-96	25-Jun-02	Base Station Cordiess Celtular System
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258.AU	16648/97	749334	AIGI WIIGIGS				Organization Parameters in
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269 BD	126070		AT&T Wireless	Brazil	16-18M-17		Method for Determining
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258.CA	2199310	2199310	AT&T Wireless	Callada			
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Number Number Owner Name Date	Dockor	Application	Patent		Country	Application	Grant	Title
11-	Docker	Application	Nimbor	Owner	Name	Date	Date	2001
### STATE Wireless Great Britain 01-Apr-97 11. ### S209528 AT&T Wireless India 04-Apr-97 11. ### S209528 AT&T Wireless United States 04-Apr-96 11. ### S209528 AT&T Wireless United States 04-Apr-96 11. ### S209528 AT&T Wireless United States 04-Apr-96 11. ### S209528 AT&T Wireless Canada 03-Jul-97 1. ### S209528 AT&T Wireless Canada 03-Jul-97 1. ### S209528 AT&T Wireless Japan 16-Jul-97 1. ### S0109641997 AT&T Wireless Japan 16-Jul-97 1. ### S0109681 95961 AT&T Wireless Talwan 09-Jul-97 1. ### AT&T Wireless Talwan 09-Jul-97 1.	Number	Number	Number					Method for Determining
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86109681 95961 At Wireless Lawer 16-Jul-96					Tokwan	09-Jul-97	16-Nov-98	Wireless Device
Selul-96	260.TW	86109681	95961	Al&i Wireless	G			Method and System for
16-101-96					·		-	Automatic Activation of a
A & Wireless	9	0000000	405639	AT&T Wireless	United States	16-Jul-96	21-Sep-99	Wireless Levice

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Number	Number	Number	Owner	2		70	TDMA Messaging Service
763 CA	2256329	2259329	AT&T Wireless	Canada	02-Jun-97	-0-In-10	
CO.707				European Patent	02_hin_97		TDMA Messaging Service
262.EPC	97927794.4		AT&T Wireless	Convention	04-3011-91		TDMA Messaging Service
			ATET Wireless	Japan	02-Jun-97		Microcell
262.JP	10-504109		Algi Wildios				TDMA Messaging Service
262 MX	990211		AT&T Wireless	Mexico	02-Jun-97		TOMA Messaging Service
705.MA	17000		ATET Wireless	United States	28-Jun-96	23-Feb-99	Microcell
262.US	08/672769	78/218/	Algi Wilding		80 50 00		TDMA Messaging Service
262.US.C1	09/168919		AT&T Wireless	United States	08-001-90		Method for Optimal
							Selection Among Multiple
							Communications Service
				D.024	24-hin-97	10-Dec-02	Environment
263.BR	9710455-8	9710455-8	AT&T Wireless	Didtil	210013		Method for Optimal
							Selection Among Multiple
							Comminications Service
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40.00	2250230	2259230	AT&T Wireless	Canada	76-Jun-97	20.00	Method for Optimal
203.CA	2502500						Selection Among Multiple
							Providers in a Wireless
				Furnham Patent			Communications Service
				Convention	24-hm-97		Environment
263.EPC	97932326.8		AT&T Wireless	COLINGIA			Method for Optimal
							Selection Among Multiple
							Providers in a Wireless
							Engineering Co.
			AT&T Wireless	Japan	14-Dec-98		Mothod for Optimal
263.JP	10-504316						Selection Among Multiple
					-		Providers in a Wireless
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	·			Tokeon	24~Jtm-97	18-Sep-98	Environment
263.TW	86108823	94720	AT&T WIREIESS	Laiwai			Method for Optimal
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263.US	08/672907	5845198	Aigi Wildias	Conoda	19-Sep-97	01-Jan-02	Method and Apparatus for
265.CA	2215819	2215819	AT&T Wireless	Caliana			
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Number	Number	Number	Owner	маше	2000		Providing a Caller ID Alias	
							Method and Apparatus for	
				Moving	06-Oct-97	13-Dec-02	Providing a Caller ID Alias	
65.MX	977677	212046	AT&I WITEIBSS			20, 921, 02	Method and Apparatus for providing a Caller ID Alias	
		6343120	AT&T Wireless	United States (08-Oct-96	20-101-02	Detection of Fraudulently	
65.05	2007 933				40_lan_08	31-Jan-00	Registered Mobile Phones	
MT 99	87100664	107516	AT&T Wireless	laiwan	200120		Detection of Fraudulently	
		CHOCHO	AT&T Wireless	United States	24-Jan-97	14-Sep-99	Registered Mobile Promes	
S6.US	-65895	2605666					Nettrod and System St.	
							Notification to a Subscriber	
		:			•		Using Cellular Phone	
		•		United States	10-Apr-97	21-Dec-99	Network	
5118	08/838613	6006087	AT&T Wireless	Olinea Oraco			Method and System for	
20,000							Delivering a Voice Mail	
				•			Notification to a Subscriber	
		,	·	•			Using Cellular Priorie	
			200000000000000000000000000000000000000	I Inited States	29-Nov-99	09-Jul-02	Network	
269 US.C1	09/448904	6418307	Alái Wileiess		· 		Method and System to	
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			-				Tielor Cellular Phone	
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			AT&T Wireless	United States	15-May-02		Method and System for	
269.US.C2	10/147408						Delivering a Short-	
				•	27 Oct 08		Message Notification	
			AT&T Wireless	Canada	Z/-0cl-80		Method and System for	
270.CA	2251589			100,00			Delivering a Short	
				European Patent	26 Nov 08		Message Notification	
1	09422427	-	AT&T Wireless	Convention	2010107		Method and System for	
270.EPC	30122142.1						Delivering a Short	
		-		Movico	30-Nov-98		Message Nomicanon	
270 MX	9810043		AT&I WIREIESS	Mono			Method and System St.	
210112							Mossage Notification	
			ATET Wireless	United States	02-Dec-97	07-DCI-03	Personal Information	
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	00000		AT&T Wireless	Brazil	18-VEW-RI		Personal Information	_
272.BR	384200						Manager for Updating a	·
			100000000000000000000000000000000000000	Canada	19-May-97	12-Sep-00	Telecommunication	_
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			AT&T Wireless	+	16-Way-91		Personal Information
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7 17.9							Subscriber Profile
			900 John T 14 Tool of the	Japan	04-Sep-02		Personal Information
10.9L. 575	2002-258849		AI&I WIEGOS				Manager for Updating a
						46 Nov. 01	Subscriber Profile
	•			Mexico	19-May-97	10-1001-01	Personal Information
	oknean	205256	AT&T WIREIESS				Manager for Updating a
272.MX	2000						Telecommunication
	•			Vework	19-May-97		Personal Information
			AT&T Wireless	NOIMO			Manager for Updating a
272.NO	19980450			Patent			Telecommunication
				Cooperation	70		Subscriber Profile
			ATET Wireless	Treaty	19-Way-97	 	Personal Information
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272.PU							Telecommunication
			:	Towing	30-May-97	86-unr-60	- Personal Information
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272.TW	86107431						Telecommunication
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272.US	86777	3905045				·- <u>-</u> -	Functionality of a Private
					90 100	:	Exchange
			ATET Wireless	Brazil	08-001-80		Method for Providing
00 700	9803891-5		2181			:	Remote Emulation of a Private
701.DV		·				20,75	Fxchange
				Canada	09-Oct-98	ZO-MBI-UZ	Method for Providing
-	2249895	2249895	AT&T WIREIESS				Remote Emulation of the
281.68				Eumpean Patent		·.	Functionally
			ATET Wireless	Convention	09-Oct-98		
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					80,120,00	22-Nov-02	Exchange	
	70000	211550	AT&T Wireless	Mexico	02-00-00		Method for Providing	
281.MX	988391	200117					Remote Emulation of the	
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					80.100	•	Exchange	
			AT&T Wireless	Norway	08-001-80		Method for Providing	_
281.NO	19984742						Remote Emulation of the	
		•			-		Functionality of a Private	
						28.Foh.01	Exchange	_
			AT&T Wireless	Taiwan	12-Oct-98	201 002	Method for Providing	_
281.TW	87116913	121500					Remote Emulation of the	
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		-	AT&T Wireless	United States	10-001-97		A Method for Allowing a	_
281.US	08/948497	0008770					Called Party to Allocate	<u>. </u>
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		2252180	AT&T Wireless	Canada	Z8-0cl-90	11.22	A Method for Allowing a	_
282.CA	2252180	2232100					Called Party to Allocate	
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ı		6273031	AT&T Wireless	United States	18-1404-27		System for Providing	
282.US	08/9/4394	1000100			-		Power to a Wireless	
					80,100		System	Т
			AT&T Wireless	Brazil	08-100-80		System for Providing	_
283.BR	9803890.7						Power to a Wireless	
				-	98-1-00	01-Jan-02	System	T
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70.507 70.507	2470011		-			. !	Power to a Wireless	
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283.MX	988387	210851	AIGI WIIGIGSS			· ·	Providing Power to a	
					20 10 07	02-1:1-01	Wireless System	
		6755648	AT&T Wireless	United States	10-00-97	2000	Method and System for	
283.US	08/948777	01.000.70					Providing Power to a	
				Actor Chat	40.Apr.01		Wireless System	1
283 LIS CP1	09/828859		AT&T Wireless	United States	2000	,	Method and System for	
					•		Providing Power to a Wireless System	,
200 116 04	10/866994		AT&T Wireless	United States	15-Jun-04			
203.03.01						٠.		

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Number	Number	Number	Owner	Уаще			Secure Equipment
			• .		03-Oct-97	11-May-00	Personal Base Station
284.TW	86114469	110656	AT&T Wireless				Secure Equipment Automation Using a
				1 Inited States	09-Oct-96	23-Feb-99	Personal Base Station
284.US	2088306	5875395	AT&I Wireless		02 Apr 07	né-Mar-01	Service Transfer to a Wireless Telephone
285 CA	2202000	2202000	AT&T Wireless	Canada	Ur-Apr-9/		Service Transfer to a
		02647	AT&T Wireless	Talwan	05-May-97	25-May-98	Service Transfer to a
285.TW	86105955	14076		United States	09-May-96	01-Dec-98	Wireless Telephone
285.US	08/644027	5845207	AT&T Wireless				System and Memod 101 Retrieving Messages From
			Societies Fore	Brazil	17-Dec-97		a Voice Message System
286.BR	1877348		Alái Wireless		:		System and injention to
				Canada	20-Nov-97	13-Feb-01	a Voice Message System
286.CA	2221660	2221660	AIGI WIIGIGSS				System and Method 191
				European Patent	20-Nov-97		a Voice Message System
286 FPC	97309357.8		AT&T Wireless	COLIVERINOLI			System and Method for
2001					40.00-07		a Voice Message System
286.IP	9-339534		AT&T Wireless	Japan	16.090-01		System and Method for
				•	16.Dec.97		a Voice Message System
286.MX	9710199		AT&T Wireless	·Mexico			System and Method for Detroming Messages From
				2014	10-Dec-97		a Voice Message System
286.NO	975816		AT&T Wireless	INDING			System and Method 101 Retrieving Messages From
			and all the second	Taiwan	11-Dec-97	11-Aug-00	a Voice Message System
286.TW	86118705	114009	AIGI WIGGGS				Retrieving Messages From
· .			ATET Wireless	United States	17-Dec-96	11-Jun-02	a Voice Message System
286.US	08/766134	6405032	CONTRACTOR IN LANGE		ļ -		Providing Partitioned
	÷	-					Telecommunication
207 BD	- 9802303		AT&T Wireless	Brazil	26-Jun-98		Method and Apparatus for
10.102							Telecommunication
207 CA	2239649		AT&T Wireless	Canada	04-Jun-98		Services
50.107						•	•••

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Docket	Application	Patent	Owner	Name	Date	2000	Method and Apparatus for	
Number	Number			European Patent			Telecommunication	
<u> </u>	08304671.5		AT&T Wireless	Convention	12-Jun-98		Method and Apparatus for Providing Partitioned	
287.EP.C							Telecommunication	
9	10.176895		AT&T Wireless	Japan	24-Jun-98		Method and Apparatus for Providing Partitioned	
Z87.78Z					24 1.11.08		Telecommunication Services	
287 MX	985150		AT&T Wireless	Mexico			Method and Apparatus in Providing Partitioned	
			AT&T Wireless	Taiwan	02-Jun-98	00-unf-20	Telecommunidation Services Method and Apparatus for	
287.TW	87108653	111653					Providing Partitioned	
	:		AT&T Wireless	United States	26-Jun-97		Services Method and Apparatus for	
287.US	08/882804		Alai Wigge				Providing Partitioned	
				Linited States	10-Jan-02		Services Services Services	
287.US.C1	10/041500		AT&T Wireless				Automatic Registration	
				0.27	14~Jul-97		Activation System and Method for	
288.BR	9703967		AT&T Wireless	17010			Automatic Registration Notification for Over-the-Air	
	· 		AT&T Wireless	Canada	24-Jun-97	20-Mar-01	Activation System and Method for	<u> </u>
288.CA	2208601	2208601		: 			Automatic Registration Notification for Over-the-Air	-
				European Patent	nt 15-Jul-97		Activation Active for	\top
288.EPC	97112096.9		AT&T Wireless				Automatic Registration	
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XVI aac	975088	216890	AT&T Wireless	Mexico				
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	52115			·			Notification for Over-the-Air Activation
19973157	157		AT&T Wireless	Norway	78-107-80		System and Method for Automatic Registration
			· .			11-Dec-98	Notification for Over-me-Air Activation
610	86109676	96465	AT&T Wireless	Taiwan	06-101-60		System and Method for Automatic Registration
					. 80	13-Feb-01	Notification for Over-the-Air Activation
8	08/679890	6188899	AT&T Wireless	United States	15-01-90		System and Method for Automatic Registration
						28-Aug-01	Notification for Over-uners.
6	09/702163	6282421	AT&T Wireless	United States	20-20-00		System and Method for Automatic Registration
					29. hin-01		Activation Section 101
낑	09/896481		AT&T Wireless	United States			System and Meuroo 10 Automatic Registration
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P	10/802492		AT&T Wireless	United States			A Method and Apparatus for Over-the-Air
}							Programming of Telecommunication
				Rrazil	03-Oct-97		Services A Method and Apparatus
6	9706687		AT&T Wireless				for Over-the-Air
					.	5	Telecommunication Services
		2215821	AT&T Wireless	Canada	19-Sep-97	o-inc-co	A Method and Apparatus
7	2215821	100177					Programming of
			_	European Patent		23-Jun-04	Services
- 6	97117320.8	836340	AT&T Wireless	Convention	78-50-70		Method and Apparatus for Updating Service
	·.	· · · · · · · · · · · · · · · · · · ·	ATET Wilming	European Patent Convention	16_Jan-98	-	Mobile Station
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	Amilestion	Patent		Country	Application	Date	Title	
Docket	Application	Number	Owner	Name	200		Mobile Communication	
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	•			European Patent			Receiving Intelligent	
	•		ATOT Mirelace	Convention	07-0ct-97		A Method and Apparatus	
289.EPC.D2	3026871.8		Algi Wildios				for Over-the-Air	
	:						Programming of	
							Telecommunication	
				lanan	08-Oct-97		Services	
01 000	275398/1997		AT&1 Wireless	Japan			A Memod and Application	
763.3							Programming of	
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				Mexico	06-Oct-97	07-Aug-02	Services A Method and Apparatus	
289.MX	977676	209518	AI&I WITEIESS			٠,	for Over-the-Alr	
							Programming of	
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	40074517		AT&T Wireless	Norway	2000		A Method and Apparatus	
289.NO	1881451				_		for Over-me-All	
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-			AT&T Wireless	Taiwan	06-Oct-97	UZ-May-00	A Method and Apparatus	
289.TW	86114585	110299	2000				for Over-the-Air	
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31.000	2001378	6122503	AT&T Wireless	Office States			A Method and Apparatus	
289.03	20002		-				Tor Over-us-of	_
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			AT&T Wireless	United States	17-Dec-98	2000	A Method and Apparatus	
289.US.C1	09/213416	0450045					for Over-the-Air	
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				I Inited States	08-Aug-02		Services Services	T
289 US C1(1)	10/214315		AT&I WITEIESS				Testing Cellular Services in	
							a First Location From a	
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-	4440034		AT&T Wireless	Brazil	11.000.0			·
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				Spenso	20-Oct-97	11-Sep-01	Method and Apparatus for	
		2218667	AT&T Wireless				Testing Cellular Services in	
296.CA	221866/						a First Location From a	
							Second Location Remote	
				European Patent	•		From the First Location	
			A TO T Mireless	Convention	16-001-97		Method and Apparatus for	
000	97117941.1		AIGI WIIGIGSS				Testing Cellular Services in	
230.EFC							a First Location From a	
							Second Location Remote	
	•			המים	20-Oct-97		Method and Apparatus for	
!	0 286213		AT&T Wireless	Sapar			Testing Cellular Services in	
296.JP	2-2007-8				_		a First Location From a	
							Second Location Remote	
					47 004.07	18-Dec-02	From the First Location	
			AT&T Wireless	Mexico	11-00-21		Method and Apparatus to	
206 MX	978010	212232	50				Testing Cellular Services	
230:m2							a First Location 1 10	
							Second Location	
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			AT&T Wireless	Norway			Testing Cellular Services in	
296.NO	19974723						a First Location From a	
							Second Location Remote	
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			- Andreader	Taiwan	15-Oct-97	10.060	Method and Apparatus for	
	00446442	103067	AI&I WITEIESS				Testing Cellular Services in	_
296.TW	74101100						a First Location From a	
	• -						Second Location	
					21-Oct-96	23-Feb-99	From the First Locality	Γ
		2002	AT&T Wireless	United States		-		
296.US	08/734707	28/2230					Improved Generation of	_
					70 000 00		Encryption Key	Ţ
			AT&T Wireless	Japan	16-0ac-67		Improved Generation of	
207 IP	517588/1998		3		03-Oct-97	13-Sep-99	Encryption Ney	Ė
701.01		403188	AT&T Wireless	laiwan		27 1.4 00	Encryption Key	Т
297.TW	86114466	201201	9001000	United States	08-DCI-96	26-Jul-99	t	
903.16	08/731105	5930362	AT&I WIREIESS	Taiwan	03-Oct-97	23-Apr-02	1	
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							Mobile Network Geographic Address	
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	1801591	5946615	AT&T Wireless	United States	06-100-00		Registration of Moolle Packet Data Terminals	
98.03					70 Wall 90	23-Sep-03	After Disaster	
Ş	2257423	2257423	AT&T Wireless	Canada	Oc-May-50		Registration of Mobile Packet Data Terminals	,
(A)		·			06-Mav-97		After Disaster	
99.CA.D1	2404922		AT&T Wireless	Canada Topo Defent			Registration of works Packet Data Terminals	<u>:</u> _
	·.		AT&T Wireless	Convention	06-May-97		Registration of Mobile	<u> </u>
299.EPC	97922676.8				:		Packet Data Terminals	
		•	AT&T Wireless	Japan	06-May-97		Registration of Mobile	
299.JP	501587/1998					70 02	After Disaster	
		204997	AT&T Wireless	Mexico	06-May-97	Up-May-9/	Registration of Mobile	
299.MX	9810332	20202				46 Aug 00	After Disaster	-т
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299.TW	86100438					06.000.00	After Disaster	· -
!	4002078	6157633	AT&T Wireless	United States	10-Jun-96	CO C	Registration of Mobile Packet Data Terminals	
299.US	1892910			-		03-Aug-04	After Disaster	_
	00000000	6771634	AT&T Wireless	United States	09-Apr-99		Method and Apparatus for Dynamic Negotiation of	
299.08.01	03/20302				15-lan-98		Protocols Apparatus for	Τ.
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300.00			ATRI Wireless	Canada	15-Jan-98	19-Mar-02	Method and Apparatus for	Τ.
300.CA	2227086	2227086	1014				Dynamic Negotiation of	
		001663	AT&T Wireless	Mexico	19-Jan-98	23-Jul-04	Method and Apparatus for	<u> </u>
300.MX	980550	77,1000		· · ·	,	44 00 01	Dynamic Negotiation of Protocols	
	87100792	NI-134707	AT&T Wireless	Taiwan	21-Jan-98	26-Sep-00	Dynamic Protocol Negotiation System	
300.	280000	6125122	AT&T Wireless	United States	Z1-Jan-87			
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142682 18-Ju-102 14-Oct-97 14-Oct-							03-Sep-02	Protocols	Т
142682		00/634573	6445716	AT&T Wireless	United States	08-Aug-00	100.00	Method and Apparatus for	
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2218211 2218211				ATOT Wireless	Canada	14-Oct-97	06-Feb-01	Verification A Method and Apparatu	- S
97119527.7 AT&T Wireless Convention 24-Oct-97 Vertical States Convention 24-Oct-97 Vertical States Japan 23-Oct-97 Vertical States Japan 23-Oct-97 Vertical States Japan 23-Oct-97 Vertical States Vertical States		2218211	2218211	Alai Wiciosa	rangan Datent			for Message Transmiss	ro!
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9-290726 AT&T Wireless		97118527.7						for Message Transmiss Verification	e S
978066 206521 AT&I Wireless Mexico 20-Oct-97 06-Feb-02 V		9-290726		AT&T Wireless	Japan	16-100-62		A Method and Apparate for Message Transmiss	us sion
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(1) 09/535340 AT&T Wireless United States 24-Mar-00 9710456-6 AT&T Wireless Brazil 24-Jun-97 2259238 AT&T Wireless Canada 24-Jun-97 25-Mar-03	7.	09/215557	6219542	AT&T Wireless	United States	26280-01		Method and Apparatu Message Transmissic	is for
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2259238 AT&T Wireless Canada 24-Jun-97 25-Mar-03		9970720		AT&T Wireless	Brazil	24-Jun-97		Method for Categoriz	ration in a
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SOA270/1999 AT&T Wireless Japan 24-Jun-97 Winderscripts So4270/1999 AT&T Wireless Mexico 24-Jun-97 Mexico Mexico Mexico 24-Jun-97 Mexico Mexico	302 FPC	97932289.8		AT&T Wireless		24-Jun-97		Wireless Communications Service Environment Method for Categorization of Multiple Providers in a	
Section		504270/1998		AT&T Wireless	Japan	24-Jun-97		Wireless Communications Service Environment Method for Categorization	· · · · ·
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2294432 AT&T Wireless Canada 12-Jun-98 30-Mail 2-1 .D1 2444185 AT&T Wireless Canada 12-Jun-98 30-Mail 2-1 C 98929031.7 AT&T Wireless Convention 12-Jun-98 C 9911892 AT&T Wireless Mexico 12-Jun-98	302.US.C3	mailed		AT&T Wireless	United States	27-Sep-04	200	Service Environment Method of Intelligent Roaming Using Network	
98929031.7 AT&T Wireless Convention 12-Jun-98 9911892 AT&T Wireless Mexico 12-Jun-98	303.CA	2294432	2294432	AT&T Wireless AT&T Wireless	Canada	12-Jun-98	PO-Maria	Method of Intelligent Roaming Using Network Information Method of Intelligent	
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	-	OWI	ler	Уаше			Method of Intelligent Roaming Using Network
		ATET Winely	556	Taiwan	24-Jun-98	26-Apr-00	Information Method of Intelligent
87110178 110131						24. Apr. 04	Roaming Using Network
08/883111 6223042 AT&T Wireless		AT&T Wireles	S	United States	26-Jun-97		Method and Apparatus for Serving Cell Code
SEGULATION TO TAIL	AT&T Wirele	 AT&T Wirele	88	Brazil	30-Jan-98		Assignment Method and Apparatus for
				Canada	15-Jan-98	16-Sep-03	Serving Cell Code Assignment
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AT&T Wireless	AT&T Wirele	AT&T Wirele	88	Mexico	26-Jan-98		Method and Apparatus for
			,	Towie	23-Mar-98	29-May-00	Assignment Assignment
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1472506 6144851 AI&I WIENESS		AIGI WIE	e e				Authentication for Secure
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1892355	5						Authentication for Secure
2221685 AT&T Wireless		AT&T Wirel	ess	Canada	20-Nov-97	07-Jan-03	Method of Mutual
C001.777				•	19 000.07	 22-0ct-99	Authentication for Secure
9710347 193809 AT&T Wireless		AT&T Wire	ess	Mexico	5000		Method of Mutual Authentication for Secure
		AT&T Wire	less	Taiwan	22-Dec-97	01-May-00	Wireless Service Provision Method of Mutual
86119522 110272						2	Authentication for Secure
AT&T Wireless		AT&T Wire	ess	United States	27-Dec-96	23-Feb-99	Method for Controlling
		ATOT Miles	990	Brazil	18-Dec-97	-\ -\	Method for Controlling
9706413-0	Algi	Alai wiid	200	-	20 Nov-97	30-Jul-02	Channel Re-Selection
2221820 AT&T Wireless	•	AT&T Wir	eless	Canada	- CALCAL	3	Method for Controlling
		ATRTW	Treless	Mexico	18-Dec-97	30-Nov-00	Method for Controlling
9710341				Talwan	18-Dec-97	08-May-01	Channel Re-Selection
86119184 125235 AI&I WITCHES		Aigi	1101023				

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Docket	Application	Patent		Country	Application Date	Grant Date	Title	
Number	Number	Number	Owner	+			Method for Controlling	
311806	08/772829	5995834	AT&T Wireless	United States	24-Dec-96	30-Nov-99	Method for Controlling	
00.00		6601061	AT&T Wireless	United States	07-May-99	31-Dec-02	Channel Re-Selection	
308.US.C1	09/306760	10201000					Channel Re-Selection	
							From a Selected Control	
							Channel to an Alternative	•
. :			AT&T Wireless	United States	30-Jul-02		Control Criainies	
308.US.C1(1)	10/206963						Method for Controlling Channel Re-Selection	
308 US C1(2)	mailed		AT&T Wireless	United States	20-Aug-04		Method and Apparatus for	
1-110:00:000							Alerting a Station in One	
							Network of a Requested	
	٠.						Communication From a	
			200[0-1/4/	Brazil	18-Dec-97		Second Network	
312.BR	1892840		Al&i wireless	1000			Method and Apparatus for	
							Alerting a Station in One	
							Network of a Requested	
							Communication From a	
			ATET Wireless	Canada	20-Nov-97	18-Nov-03	Second Network	
312.CA	2221854	2221854	AIGH WHOISE		,		Method and Apparatus for	
							Alerting a Station in One	_
						: .	Comminication From a	
	_			European Patent			Second Network	
٠.			AT&T Wireless	Convention	20-Nov-97		Method and Angaratus for	T
312.EPC	97309352.9						Alerting a Station In One	
		-					Network of a Requested	_
			· ·				Communication From a	
				-	19-Dec-97		Second Network	-т
5.00	0.350412		AT&T Wireless	Japan	50000		Method and Apparatus for	
312.31	-					•	Alerting a Station in One	
				-			Nework of a Requested	
							Communication right a	_
	•	-	AT&T Wireless	Mexico	18-Dec-97	07-Nov-03	Second Network	T.
312.MX	9710338	217407	אומומומים				Alerting a Station in One	
							Network of a Requested	-
	· .						Communication From a	
				No.	17-Dec-97		Second Network	٦
312.NO	19975936		AT&T Wireless	INDIMAY				
			•					

Docket	Application	Patent	·	Country	Application	Grant	Title
Missipar	Nimber	Number	Owner	Name	Date	235	Method and Apparatus for
Nulling	100 INC.			-	•		Alerting a Station in One
							Network of a Requested
		4.					Communication From a
•					72 Dec-07	04-Dec-99	Second Network
312 TW	86119517	104929	AT&T Wireless	Iawan	75-000-01		Method and Apparatus for
							Alerting a Station in One
							Network of a Requested
					•		Communication From a
					. 00 000	DR-May-01	Second Network
91076	08/77733B	6230009	AT&T Wireless	United States	06-090-17	200	Method and Apparatus for
312.03	2001100						Alerting a Station in One
	٠						Network of a Requested
							Communication From a
	•	-			10 000 00	01-Oct-02	Second Network
9.00	00710404	6459897	AT&T Wireless	United States	19-080-01		Method and Apparatus for
312.05.01	03/140101	1					Alerting a Station in One
	,						Network of a Requested
			-				Communication From a
				į			Second Network
	007770007		AT&T Wireless	United States	12-Sep-02		
312.US.C1(1)	10/241432			-			,
·							Method of Wireless
				Brozil	18-Dec-97		Retrieval of Information
313.BR	1893450		AT&1 WIREIESS	Diazi			Method of Wireless
			A TOT Mirebose	Canada	20-Nov-97		Retrieval of Information
313.CA	2221666		AIGH WIIGIGSS				Method of Wireless
				European Patent	70 000		Retrieval of Information
	07424058 0		AT&T Wireless	Convention	14-080-97		Method of Wireless
313.EPC	911213303				10.000-07		Retrieval of Information
243 10	0.351020		AT&T Wireless	Japan	2000		Method of Wireless
10.010	22000		400	Mexico	17-Dec-97		Retrieval of Information
313.MX	9710240		AIGH WIEBESS				Method of Wileless
			AT&T Wireless	Norway	17-Dec-97		Method of Wireless
313.NO	19975935	 - -	5			47 700 00	Retrieval of Information
	0010100	105649	AT&T Wireless	Taiwan	18-Dec-9/	88290-11	Method of Wireless
313.TW	08181198	10001			90	40-00-02	Retrieval of Information
	09777083	6493430	AT&T Wireless	United States	24-DBC-90		Method of Wireless
313.05	0011100				00 hm 03		Retrieval of Information
242 115 04	10/419098		AT&T Wireless	United States	On money		Method and Apparatus for
13:03:01							Data Network Call
010	1767500		AT&T Wireless	Brazil	03-Dec-97		Risconnia
10000				•		•	

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	Title	Method and Apparatus for I	Processing Method and Apparatus for	Data Network Gall	Processing	Data Network Call	Processing	Method and Apparatus for Data Network Call	Processing According for	Method and Apparatus is: Data Network Call	Processing	Method and Apparatus for Data Network Call	Processing	Data Network Call	Processing Apparatus for	Data Network Call	Processing	A Method for Time-	Based on a Recipient	Location	A Method for Lime-	Based on a Recipient	Location	Method for lime-Stamping	Recipient Location	A Method for Time-	Stamping a Message	Location	Method for Time-Stamping	a Message Based on a	Lighten Committee	
Grant	Date	•	01-Jan-02						26-Sep-01				04-Mar-02		12-Sep-00		17-Aug-04	<u> </u>													04-Mar-04	
Amilestion	Application		10-Nov-97		12-Nov-97		05.Dec.97		02-Dec-97		04-Dec-97		03-Dec-97		09-Dec-96		30-Nov-99			27-May-98			27-Apr-98	+-	22 May 08	22-May-90			27-May-98		28-May-98	
-	Country	Name	Canada	T Datent	Convention			Japan	Movico	2000		Noiway	Taiwan		United States		1 Inited States	Dimo pomio		11-00	Diazii	÷	- Con-C	Callada	European Patent	Convention			Japan		Mexico	
-	. (Owner	AT&T Wireless C			AT&1 WIREIESS		AT&T Wireless		A1&1 WITEIESS		AT&T Wireless		Alái Wireitas		AT&I Wireless		AT&T WIRBIBSS			AT&T Wireless			AT&T Wireless		AT&T Wireless			AT&T Wireless		AT&T Wireless	
	Patent	Number		2220707		4		7		204379				143991		6118778		6778527							:						219273	
	Application	Number		2220707		97309093.9		2306751		979392		19975612		86118162		08/762550		09/451401			9801486-2			2235979		9 0007000	98304082.5		40.446200	10-140200	984246	
	Docket	Number		118.CA		318.EPC		318.JP		318.MX		318.NO		318.TW		318.US	,	318.US.C1			00 000	334.BM		332 €4	202.300		332.EPC			332.JP		304.IVIS

						1000	
Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Name			A Method for Time-
							Stamping a Message Based on a Recipient
					28-May-98	19-Jul-04	Location
332 NO	19982385	316993	AT&T Wireless	NOIWAY	22 (2111)		Method for Time-Stamping
							a Message Based on a
			ATOT Milmings	Taiwan	28-May-98	13-Jun-00	Recipient Location
332.TW	87108312	111946	Alai Wireless	15415		٠	Method for Time-Stamping
							a Message Based on a
•				1 Inited States	03-Jun-97	29-May-01	Recipient Location
332.US	08/868401	6239719	AI&I WIREESS	Olinco Chance			Method for Time-Stamping
							a Message Based on a
			AT&T Wireless	United States	05-Apr-01		Recipient Location
332.US.C1	09/825894		Section 1915				Method and System for
							Providing Data
							Mobile Station
	0000		AT&T Wireless	Brazil	28-May-98		Mothod and System for
333.BK	9800493-8						Providing Data
							Communication With a
					30 Apr.08	30-Oct-01	Mobile Station
333 CA	2236231	2236231	AT&T Wireless	Canada	20-100-100		Method and System for
							Providing Data
		-					Communication With a
				Company	22-Mav-98	13-Aug-03	Mobile Station
333 DF	98304081.7	69817086.5	AT&T Wireless	Germany			Method and System for
10000							Providing Data
				Furnhean Patent			Communication With a
				Compation	22-Mav-98	13-Aug-03	Mobile Station
233 FPC	98304081.7	883313	AT&T Wireless	COLIVERINOLI			Method and System for
							Providing Data
					•	· ·	Communication with a
		-	ATST Wireless	Finland	22-May-98	13-Aug-03	Mobile Station
333.FI	98304081.7	883313	AIGI MIGGS				Method and System for
	•	•					Comminication With a
	-					42 6.12 03	Mohile Station
-	ı	67000	AT&T Wireless	France	22-May-98	22-20-22	Mothod and Sweltern for
333.FR	98304081.7	883313	Aldi viidios				Memod and System of
							Communication With a
	•				20 May 08	13-Aug-03	Mobile Station
223 CB	98304081.7	883313	AT&T Wireless	Great Britain	06-YBW-27		Method and System for
200:000							Providing Data
ļ			AT&T Wireless	Japan	03-Jun-98		Communication with a
333.JP	154063/1996				•		

		•		\				
Docket	Application	Patent	·	Country	Application Date	Grant Date	Title	
Number	Number	Number	Owner	Ра	2		Mobile Station	
		•					Mothod and System for	
					.:		Providing Data	
		٠					Communication With a	
		٠		Mevico	01-Jun-98	08-Jan-03	Mobile Station	
222 MX	984353	212436	AT&T WIREIESS	NON N			Method and System for	
						•	Providing Uata Communication With a	
·.			: :	Version	26-May-98		Mobile Station	
333 NO	19982384		Al&I Wireless	101101			Method and System for	_
200							Providing Data Communication With a	
				Sweden	22-May-98	13-Aug-03	Mobile Station	
333.SE	98304081.7	883313	AT&I WIREIESS	0400			Method and System to	
							Communication With a	·
	•			Taiwan	28-May-98	17-Apr-01	Mobile Station	_
333.TW	87108311	123686	AT&T Wireless	Idiwaii			Method and System for providing Data	<u></u> .
					· ·		Communication With a	
-	-1			11-it-of Chatee	03-1un-97	21-May-02	Mobile Station	· —
333115	08/868350	6393014	AT&T Wireless	Ullieu Siaics			Method and System for	
20.5							Providing Data Communication With a	
					12.Anr.02	:	Mobile Station	Т
333.US.C1	10/120548		AT&T Wireless	United States	16-100 0-		Method and System for	
							Communication With a	
			40-1-11-11-1	United States	10-Sep-04		Mobile Station	Т
333.US.C1(1)	mailed		Alai Wireiess			· ·	System and Method for	
00 700	9801221-5		AT&T Wireless	Brazil	31-Mar-98		System and Method for	1
24.07				Canada	12-Mar-98	30-Oct-01	Processing Dropped Calls	\top
334.CA	2231938	2231938	AI&I WIREIESS	Eumpean Patent	├		System and Method for	
•			AT&T Wireless	Convention	18-Mar-98		Processing Uropped Calls	T
334.EPC	98302011.6		5		80.24		Processing Dropped Calls	
334.JP	96520/1998		AT&T Wireless	Japan	DS-INV-SO		System and Method for	
	0000570		AT&T Wireless	Mexico	02-Apr-98		Processing Dropped Calls	
334.MX	982578							

Application Number Pate Number 19981596 111939 87105092 111939 08/902373 6314303 08/996764 6477376 10/307668 6603966 08/838582 6014559 08/6689 66689	Patent Number		245		:	
3 631 1116 647 1116 650 660 660 660 660 660 660 660 660 66	mper		Mamo	Date	Date	Title
90 98 88 89 00 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Owner	Name			System and Method for
90 98 88 17 11 11 11 11 11 11 11 11 11 11 11 11		AT&T Wireless	Norway	07-Apr-98		System and Method for
28 86 44 8 00 00 00 00 00 00 00 00 00 00 00 00 00				13.Anr.98	13-Jun-00	Processing Dropped Calls
88 88 88 88		AT&T Wireless	laiwan	20 14420		Apparatus for Providing Februaria to
			Clatted Chates	29-Jul-97	06-Nov-01	a Mobile Station
	3	AT&T Wireless				Method for Designing
						Cell Sites Using Uplink
		atet Missless	United States	23-Dec-97	05-Nov-02	Parameters
	9	AIGI WIENESS				A Method and System Son
						a Mobile Communications
			United States	23-Dec-97	05-Aug-03	System
	99	AT&T Wireless	Ollingo Compo			A Method and System of
						a Mobile Communications
			Challed Chates	02-Dec-02		System
		AT&T Wireless	United States			Method and System for
582						Delivering a Voice Mail Notification to a Private
582				٠		Base Station Using Cellular
582			Softe Parties	10-Anr-97	11-Jan-00	Phone Network
56689 0801756-0	629	AT&T Wireless	United States	io iduoi		Method and Apparatus for
56689 0801756-0			•.			Between Wired and
36689 0801756-0			2010	04.Dec-97		Wireless Telephones
0801756-0		AT&T Wireless	United States	1000-10	_	Method for Locating a
9801756-0		ATRT Wireless	Brazil	02-Jun-98	-	Mobile Station
		5			20 1:0-04	Mobile Station
7985	982	AT&T Wireless	Canada	27-Apr-98	2 1022	A Method for Locating a
7985577			-	01-110-98	14-Mar-02	Mobile Station
984355 207198	98	AT&T Wireless	Mexico		. :	A Method for Locating a
			Talwan	28-May-98	24-Oct-00	Mobile Staudil
87108313 116657	57	AT&I WITERESS	53.55	!	00 000	Mobile Station
ATCT340	. 774	AT&T Wireless	United States	03-Jun-97	20-DBD-07	Customized On-Line User
08/868402			a para C	14-Oct-98	16-Dec-03	Gulde
2275186 2275186	5186	AT&T Wireless	r Datest	+-		Customized On-Line User
		ATOT Wireless	Convention	14-Oct-98		Guide
98953442.5		Alai Viigiosa				

		5			T	ser -	ser	sn	sing	cated	_	is for	,	is for	m D	88		988		ess S	1 8	SS.	less	T	less	25,7	o to	Z for	Calls	od for ed Calls	
	Title	Customized On-Line User		Customized On-Line User		Customized On-Line User	Guide Customized On-Line User	Guide Sold Apparatus	for Filtering Packets Using	Apparatus for Filtering	sor	Method and Apparatus for	Filtering Packets Compared Processor	Method and Apparatus for	Filtering Packets Using a	Dedicated Floresco	User Assisted	Leer Assisted Wireless	Fraud Detection	User Assisted Wireless	Fraud Detection	User Assisted Wileless Fraid Detection	User Assisted Wireless	Fraud Detection	User Assisted Wireless	Fraud Detection	System and Metrico for processing Dropped Calls	System and Method for	Processing Dropped Calis	System and Method for	B
	· ·	Customiz	ening	Customiz	Guide	Custom	Guide	Guide	for Filte	Appara	Processor	Method	Pilteri	Metho	Filterli	Degr	Fraud	1 2	Frau	Üser		User	Use	Fra	Ose	-		Sys	1	S	
•	Grant Date						04-Jun-02	21-Sep-04	•	23-Sep-03	18-14-00		7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7	11-NOV-02							\ \				-	12-May-00			06-Nov-01		
	Application	Date	14-Oct-98		14-Oct-98		22-Oct-97	26-Mar-02		20-0ct-98		23-Oct-97		26-May-00		30-Sep-03		10-Jun-98		21-May-90	08-Jun-98		08-Jun-98		05-Jun-c0	00 tip.08	OS-July So	31-Mar-98	12-Mar-98	╂	18-Mar-98
	Country	Name	lanan 14-		Movico 14		United States 22		T	Canada		United States 2		United States		Inited States		Brazil	European Patent	Convention	2000	Japan	Mexico		Norway		Taiwan	Brazil	4	Canada Eumoean Patent	Convention
•		Owner	· .	AT&T Wireless		AT&T Wireless			AT&T Wireless	AT&T Wireless		AT&T Wireless		A TO T Windlaga			AT&I WIREIESS	and and the second	AIGI WIIGIGSS	AT&T Wireless		AT&T Wireless	AT&T Wireless		AT&T Wireless		AT&T Wireless	Padosher Teta	Alai Wileiss	AT&T Wireless	AT&T Wireless
	1	Number	T	A		V V		6400940	6795702	2272054	20212	71000	0117809		6647418												110725			2231932	
		Application	Number	28		995662		08/956130 6	10/108275		2272054		08/956993		09/580204	:	10/673439		9801993		98304042.9	10.158792		984569		19982603		87109176	9801220-7	2231932	
		Docket	Number	353 ID 3228		96 XX 258		353.US	5		356.CA 2		356.US		356 US.C1		256 11C C1/1)	330.03.01	347 BR	307.00	357.EPC	9	357.35	357.MX		357.NO		357.TW	365 BR	400	285.C85

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				Country	Application	Grant	i
Docket	Application	Patent		Name	Date	Date	Title
Number	Number	Number	Owner	Dilla I			System and Method for
			AT&T Wireless	Japan	09-Apr-98		Custom and Method for
365.JP	96519/1998					•	Processing Dropped Calls
365.MX	982579		AT&T Wireless	Mexico	05.7pt 00		System and Method for
9	10081505		AT&T Wireless	Norway	07-Apr-98		System and Method for
Spo.NC	20010001		ATET Wireless	Sweden	18-Mar-98		Processing Dropped Calls
365.SE	98302012.4			Tokico	03-Apr-98	27-Mar-00	Processing Dropped Calls
365.TW	87105091	108902	AT&T Wireless	I diwaii		3	System and Method for
31,100	08/838659	5995830	AT&T Wireless	United States	09-Apr-97	30-Nov-99	High Bandwidth Delivery
365.05			·	octors project	12.Dec-97	13-Mar-01	and internet Access for Airborne Passengers
311826	1710280	6201797	AT&T Wireless	United States			High Bandwidth Delivery
20.01				Chatted Chattee	13-Mar-03		Airborne Passengers
373 US.R1	10/389010		AT&T Wireless	Onlied States			A Method and Apparatus
							Rates for Communication
				1 Latter Chattee	17-Aug-98		Services
391115	866601		AT&T Wireless	United States		· -	Mobile Station Roaming in
				11-11-04 Chates	17-Aug-98	13-Feb-01	Area
SI 1 CBE	850164	6188897	AT&T Wireless	United States			Mobile Station Roaming in
				United States	15-Sep-00	22-0ct-02	Area Angratus for
392.US.C1	2132166	6470182	Alai Wildias				Providing a Hold
					 		Termination Message
					22 000 07	09-Mar-04	Communications Network
	08/007085	6704565	AT&T Wireless	United States	23-Dec-2		Method and Apparatus for
394.05	00035600					` .	Identification Alias in a
				2000	24-Nov-98	28-Feb-02	Communications System
402.CA	2254393	2254393	AT&T Wireless	Carrana			Providing Calling Number
						An May Of	Identification Alias in a
	98123490.9	69800769	AT&T Wireless	Germany	14-Dec-98	US-May-O	
402.DE		-					

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	Title	Method and Apparatus for	Identification Alias in a	Communications System	Method and Apparatus for	Providing Calling Normac	Communications System	Method and Apparatus for	Providing Calling Number	Identification Alias in a	Communications Systems	Providing Calling Number	Identification Alias in a	Method and Apparatus for	Providing Calling Number	Identification Alias III a	Methods and Systems for	Managing the Routing of	Packets Over a Hyonu	Methods and Systems for	Managing the Routing of	Packets Over a Hypmo	Network and Systems for	Managing the Routing of	Packets Over a Hybrid	Network	Methods and Systems of	Packets Over a Hybrid	Network	Methods and Systems for	Packets Over a Hybrid	Network	Aircraft Cockpit Telephony	-	for Updating Address Lists	
Grant				09-May-01			00 000	US-INIGN-CO			09-May-01			31-Jul-02		-	08-Dec-03									-							40 May 03	2001-01	23-Sep-03	
Amelication	Application	Caro		14.Dec-98	222			14-Dec-98			14-Dec-98			14-Dec-98		.•	05-Jul-02		م مسيني	10-Dec-98			17-Dec-98			16-Dec-98			70 000	18-0863			14-080-01	21-Nov-01	90	20-02-86
-		Name		atent	Convention			France			Great Britain			Mexico			United States			Canada		congan Patent	Convention	Collegia			Mexico			United States	•		United States	United States		Canada
		Owner			AT&T Wireless			ATET Wireless		•		AT&! Wireless		AT&T Wireless			a + 0 + 1Affrologo	A & I WII GIGSS		200000000000000000000000000000000000000	Alai Viidioss		•	AT&T Wireless			AT&T Wireless			AT&T Wireless			AT&T Wireless	AT&T Wireless		AT&T Wireless
	Patent	Number			mea 10 A1		-	<u> </u>	926910		<u>.</u>	926910			209390	<u>.</u>		9002999		·						•									6650897	2272058
• 1	no item	Application	Number			98123490.9	- :		98123490.9			98123490.9			9810631			10/188521			2255475	.·		06124220	30124223			9810839			08/994831			10/017042	1918499	2272056
	-		Number			02.EPC 981	•	<u>.</u>	402.FR 98			402 GB 98			402.MX			402.11S.C1			405.CA				405.EPC			405.MX			405.US			405.US.C1	408.US.C1	

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Poskot	Application	Patent		Country	Application	Grant	Ç.
Number	Nimber	Number	Owner	Name	Date	Date	for a Dacket Filter
Nomina							Processor
				1 Inited Chatee	23.04.97	05-Dec-00	Method and Apparatus for Updating Address Lists for a Packet Filter Processor
411.US	08/956990	6158008	AT&T Wireless	Onlied States	2000		Method and Apparatus for
							Automatically Providing Location-Based
		•					Information Content on a
9167	BERCES	6580914	AT&T Wireless	United States	17-Aug-98	17-Jun-03	Wireless Device
412.03	200000						Apparatus and Method for
				United States	08-Dec-98	30-Jul-02	Providing Transporting for a Control Signal
414.US	09/207370	6427071	Aldı Wireless	2000			Method and Apparatus for
			2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 Inited States	17-Aug-98	03-Jul-01	Limiting Access to Network Elements
416.US	772368	6256735	AIGI WIRERSS	2000			Method and Apparatus for
				Sotol City	23.Anr-01	25-Dec-01	Elements
416.US.C1	09/839113	6334188	AT&T Wireless	United States	TO-INC.		System and Method for
	·						Integrating Call Delivery for
							Services
SI1 CCF	09/474138		AT&T Wireless	United States	29-Dec-33		Method and System for
426.00						-	Remote Call Forwarding of
				European Patent			Telephone Calls From an
			AT&T Wireless	Convention	18-Sep-01		IP Connection
423.EPC	1973089.4		550				Remote Call Forwarding of
•							Telephone Calls From an
			AT&T Wireless	Japan	18-Mar-03		IP Connection
423.JP	2002-527188			toto			Remote Call Forwarding of
		-		Congration			Telephone Calls From an
				Treaty	18-Sep-01		IP Connection
423.PCT.CP1	PCT/US01/29029		Al&i Wireless	10011		÷	Method and System for
·.							Telephone Calls From
	-	6141515	AT&T Wireless	United States	22-Jan-98	31-00-00	Method and System for
423.US	09/010616	0141040			-		Remote Call Forwarding of
				add to the state of the state o	29-Anr-03	<u> </u>	Telephone Calls From Cellular Phone
423.US.C1	10/426046		AT&T Wireless	United States	22 12 12		
		•					

				Country	Application	Grant	<u>@</u>	
Docket	Application	Patent	Owner	Name	Date	Date	Method and System for	
Number	Number	Number	OWIG				Remote Call Forwarding of	
		•					Telephone Calls From an	
			AT&T Wireless	United States	18-Sep-00	27-May-03	Method of Notifying a	T -
123.US.CP1	2667977	6571094	Aldi viidida				Wireless Subscriber as to	
						-	Call Payment	
				1 Inited States	19-May-99	04-Mar-03	Responsibilities	T-
8118	09/315087	6529726	AT&T Wireless	2000			Wireless Subscriber as to	
							Call Pending	<u>.</u>
			ATRT Wireless	United States	10-Oct-02		Aircraft Cabin Telephony	T-
424.US.C1	1371396		Alai Wileico				Test Unit	
	7700700		AT&T Wireless	United States	on-Boy-cz		Apparatus and Method for	
425.US.C1	09/040947						Batch Processing of Wireless Financial	
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91.607	2152224	5870722	AT&T Wireless	United States			Method for Providing	
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			AT&T Wireless	United States	66-1101-11		Method for Providing	
428.US	252994						Alternative Network-	
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430.03.01							Data Packet Flow in a	
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431.115	09/314330		AT&T Wireless	Olineo Casto			Apparatus and Method for	<u>.</u>
					22.San.95	25-May-99	Optimizing Wireless Financial Transactions	
433.US	2151858	5907801	AT&T Wireless	United States	25 455 77			

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				European Patent	03-Jul-00		Substitute to Multiple Wireless Bearer Services
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			_	nege	00-101-00		Wireless Bearer Services
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			ATET Wireless	United States	14-Jul-99	12-Nov-02	Subscriber to Multiple Wireless Bearer Services
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447.US	457161	5611176	AI&I WITEIESS	Ollifed Otalies	42 800 06	22.Sen-08	Antenna Support Structure (design)
448.US	43471	D398612	AT&T Wireless	United States	ce-dae-ci	200 400 47	Method for Diverting an
1			AT&T Wireless	United States	11-Feb-00	10-Aug-04	ISUP Talkpath to an IP Talkpath
451.US.C1	09/628980	0/25/10	Aldi Vildios				Method for Diverting an
			AT&T Wireless	United States	02-Mar-04		Talkpath
451.US.C1(1)	635067		5				Method for Automatically Programming a Wireless
							Telephone With a Voice
							Mail System Access
000	212517		AT&T Wireless	Brazil	22-May-00		Method for Attomatically
432.BK	110013						Programming a Wireless
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452 CA	2309406		AT&T Wireless	Canada	24-May-00		Method for Automatically
105:00				•			Programming a Wireless
							Telephone With a Voice
				European Patent	8		Number
452 EDC	302848.7		AT&T Wireless	Convention	04-MDI-00		Method for Automatically
27.7.2							Programming a Wireless
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452.JP	2000-157517		AT&T Wireless	Japan	29-May-00		Method for Automatically
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452.TW	89110400	146948					Programming a Wireless	
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		6498930	AT&T Wireless	United States	02-Jun-99		Aircraft Data	
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454.101.014							Airborne and Ground-	
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454.US.D1	10/819944		<u></u>				Intended for Roaming	
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			AT&T Wireless	United States	╫		Floating Intrusion Detection	ç
455.US	09/476461			European Patent	1 22 May 01		Platforms	1,
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Member	Number	Number	Owner	SIIIBN			Method and Apparatus for	
i compa				Patent			Alert Messaging for Audio	
				Cooperation	00 11011 00		Alerting Capable Terminals	
		-	AT&T Wireless	Treaty	US-May-04		Personal Audio Alert	
506.PCT	PCT/US02/13904						Message for Audio Alerting	
				Octob Chat	06-11-01		Capable Terminal	
	00/800056		AT&T Wireless	United States			Method and Apparatus for	
200.00	2000000		:				Messages During a Voice	
				Sofoto Latini	31- Inf-01		Call	
207 116	-577934		AT&T Wireless	Oullen States			Method and Systems for	
207.03							Managing Customization Managing Customization Mireless Data	
		-		European Patent	70		Devices	
			AT&T Wireless	Convention	10-KBM-01		Method and Systems for	
513.EPC	1111280.2						Managing Customizable	
•							Content on Wireless Data	
				naral	16-May-01		Devices Systems for	Τ
. 0	2001.146263		AT&T Wireless	Japan			Methods and Systems is	
313.31						60 4	Windless Data Devices	
			A TOT Wilsologo	United States	14-May-01	CO-BINA-CO	Wildias Canal	Г
642116	372427	6603984	AIGI WIIGIGSS	Datent			Using Wireless Cookies to	
313.03				Conneration	· ·		Deliver Network-Based	
				Cooperation:	12-1110-02		Location Information	Т
100	DCT#1502/18611		AT&T Wireless	Ireary			Using Wireless Cookles to	_
517.PC1							Deliver Network-Bases	
			ATOT Mireless	United States	12-Jun-01		System and Method of	·
517.US	09/879351		2000				Providing Public Voicemail	_
							Service to Private Network	_
			-		. OweMoc		Subscribers	Т
			AT&T Wireless	United States	So-mey C.		System and Method for	
519.US	09/867989						Using a Temporary	
		-					Electronic Serial Notices	
				-			To Mahila Davica	
				Amentina	05-Nov-01		System and Method for	Γ
620 AR	10105179		AIGI WII BIBSS				Using a Temporary	
1 2 2 2 2							Electronic Serial Number	
				•			for Over-the-Air Activation	
					07-Nov.01		of a Mobile Device	7
9	DI0406420-2		AT&T Wireless	Brazil				
520.BK	101001504							

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Number	Number	Number	Owner	Name			Using a Wireless Cookie to Deliver Mobile-Based	
			ood collective Tear of	United States	12-Jun-01		Location Information	
525.US	09/879349		Alg. Wildias				Point Protocol Gateway	
				Canada	16-Nov-01		Interface	
527.CA	2428440		AIG! Wildiass	European Patent	10 Nov. 04	• .	An SMPP Gateway Having a Standard Interface	
527.EPC	1994087.3		AT&T Wireless	Convention	0-001-01		Duyan Having	
			AT&T Wireless	Cooperation Treaty	16-Nov-01		An SMPP Caleway riching a Standard Interface	
527.PCT	PCT/US01/43671						An SMPP Gateway Having a Standard Interface	— т
527.US1	09/714036		AT&T Wireless	United States	10-NOV-01		Method of Delivering Short Messages Using an SMPP	
					47.Nov.JO		Gateway With a Standard Interface	
527.US2	09/714035		AT&T Wireless	United States			a of conference of the confere	
				States Ctates	17-Nov-00		SMPP Gateway	
527.US3	09/714034		AT&T Wireless				Performing Anti-Spam	
							Control Using a SMLT Gateway	
E07 1 10A	09/714033	·	AT&T Wireless	United States	17-Nov-00		A System and Method for	
27.034				Softeto Cotice	17-Nov-00		in a SMPP Gateway	Т
527.US5	09/714032		AT&T Wireless	Office States			A System and Metricu or Performing Flow Control in	
			AT&T Wireless	United States	16-Nov-00		a SMPP Gateway	T
527.US6	09/714031			Patent Cooperation	20,000	: 	Scrolling Display for Mobile Telephone Text Messaging	o D
528.PCT	PCT/US02/11450		AT&T Wireless	Treaty	16-Apr-02	28-Sep-04	Scrolling Display for Mobile Telephone Text Messaging	0 9
528.US ·	10/120475	6799033	AT&T Wireless	United States	10-Apri-02		Network Access Using Network Identification	T
530 115	09/968528		AT&T Wireless	United States	02-50-50		Shared-Revenue Billing	Ğ
531 AR	10104906		AT&T Wireless	Argentina	18-Oct-01	_	200000]
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Title	Wireless Data From a Vehicle	Apparatus and Method for Monitoring a Wireless Device Associated With a	Shared-Revenue Billing	System for Transmission of Wireless Data from a	Vehicle Shared Demonia Billing	System for Transmission of Wireless Data from a Vehicle	Methods and Systems for	Monitoring Data Communication of a	Wireless Device Associated with a Vehical	or Other Device	Shared-Revenue Billing System for Transmission of Wireless Data from a	Vehicle	Methods and Systems for	Communication of a	Wireless Device Associated with a Vehicle	Shared-Revenue Billing	System for Transmission of Wireless Data From a	Vehicle System for	Audibly Announcing an	Indication of an identity of a Sender of a	Communication	Method and System for Audibly Amorindan an	Indication of an Identity of	a Sender of a Communication	
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Owner			AT&T Wireless		AT&T Wireless	AT&T Wireless	SCORPINA LDIV			AT&T Wireless		AT&T Wireless				AI&I WIREIESS		AT&T Wireless			AT&T Wireless			A T O T MANAGES	Aldi vviididaa
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							Inter-Carrier Sort Text Message Delivery
211.00	2417028		AT&T Wireless	Canada	22-Jan-03		Inter-Carrier Sort Text
5			ATRT Wireless	United States	17-Jan-03		Message Delivery
541.US	10/347504		ATOT Misologo	I Inited States	19-Dec-01		Outck SMS Reply
542.US	10/024833		Alai Wireisas			;	Methods and Systems to
							Presence Information in
642 AD	10105421		AT&T Wireless	Argentina	20-Nov-01		Methods and Systems for
12.55							Providing Application Level Presence Information in
;			AT&T Wireless	Chile	20-Nov-01		Wireless Communication
543.CL	2820-2001			European Patent	20-Nov-01	: .	Wireless Communication Presence Information
543.EPC	1997932.7		AI&I WIREESS			· •	Methods and Systems for Drowlding Application Level
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	000000000000000000000000000000000000000		AT&T Wireless	Treaty	20-Nov-01		Wireless Communication Methods and Systems for
543.PCT	PC1/0301/43220						Providing Application Level
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548.US	10/060192			· ·		٠.	Correlation of Call Legs in
540115	10/085491		AT&T Wireless	United States	27-Feb-02		Wireless Communications
							System and Method of Operation for Reducing
			. coclosias rota	Canada	30-Jan-98	31-Dec-02	Fraud
550.CA	2278535	2278535	Alai Wiididaa				Wireless Communications System and Method of
				European Patent			Operation for Reducing
250 EPC	98904768.3	956733	AT&T Wireless	Convention	30-Jan-98	\$ 65 A	Wireless Communications
							System and Method of Operation for Reducing Fraud
550.JP	2515700		AT&T Wireless	Japan	SC-Jaired		

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	004060	211880	AT&T Wireless	Mexico	30-Jan-90		Wireless Communications
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							Operation for Reducing
				I Inited States	31-Jan-97	16-May-00	Fraud
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20.00					-		System and Method of
							Operation for Reducing
				1 Inited Chatee	30-Nov-99	21-May-02	Fraud
een te 04	09/451589	6393283	AT&T Wireless	United States			Deal-Time Network
220.02.01	20104120			Patent			Analysis and Performance
				Cooperation			Attended to the state of the st
			AT&T Wireless	Treaty	04-Mar-02		Management
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20000				1 Inited States	26-Oct-01		Manage a Resource
557.US	10/039577		AT&T Wireless	Olling Course			
					•		A Mathod and Apparatus to
							Store Access and
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			AT&T Wireless	United States	27-Nov-01		PACCIL Based Fast Power
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			ATOT MITCHOLD	Canada	03-Apr-02		Estimation
565.CA	2441764		Alat Wireless	Caliada			Methods and Apparatus for
		• .		0 00	03-Anr-02		Mobile Station Location
565.CN	2807712.1		AT&I WIREIESS	Cillia L.S.	20.00		Methods and Apparatus for
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565.EPC	2759749.1		AT&T Wireless	Conversion	20-10-00		Methods and Apparatus for
		· .					Mobile Station Location
0 333	Police		AT&T Wireless	Japan	03-Apr-02		Estimation
363.JF	Higher					· · ·	Mobile Station Location
			ATRT Mirelace	South Korea	03-Apr-02		Estimation
565.KR	2003-7012902		AIGI MIGIGOS				Methods and Apparatus for
				,			Mobile Station Location
SES MX	PA/a/2003/009011		AT&T Wireless	Mexico	03-Oct-03		
SOC. MIN				Patent		•	Methods and Apparatus for
				Cooperation	02 Apr 02		Estimation
565.PCT	PCT/US02/10791		AT&T Wireless	Tearly	20-100-00		Mobile-Assisted Network
							Location System (MNLS)
	00000		AT&T Wireless	United States	08-Mar-04		Overview
565.US	10/4/3926		300				Methods and Apparatus for
	•					· .	I Anonymous User
			· .				Personalization in Wireless
	1030637		AT&T Wireless	United States	05-Dec-01		Communication
200.03	1008001		200	China D R	17-Oct-03		Media Flows
568.CN	2808405.5		AI&I WITBIBSS	1000	╀		Rinding Information for IP
•			AT&T.Wireless	Convention	16-Apr-02		Media Flows
568.EPC	27.28813.3		200		47.04.03		Binding Information for IP Media Flows
568.JP	mailed		AT&T Wireless	Japan	20-100-11		
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		•		European Patent	16 May 01		Data Devices	
			AT&T Wireless	Convention	10-iviay-0		Method and Systems for	is for
573.EPC	4.8/2111						Searching and Managing	aging less
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			AT&T Wireless	Japan	16-May-01		Method and Systems for	ns for
573.JP	2001-146264						Searching and Managing	Buige
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							Using Spoker Address	ed in
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576.US	09/972572		500				Providing Power and	and
			•				Wireless Protocol	
-							Capability to a Wireless	/ireless
							Device, Such as a Wireless	a Wireless
					24. hm-02		Phone	
-	70		AT&T Wireless	Canada	201100-1-2		Method and Apparatus for	aratus tot
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							Capability to a Wireless	Vireless
				Patent			Device, Such as a Wireless	a Wireless
				Cooperation	24~Jun-02		Phone	
10014	PCTA IS02/20105		AT&T Wireless	Heary				
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Title	Wireless Adapter for Use With Proprietary Hands-Free Car Kits in Support of Marith. Model Mobile Phones		Bluetooth External Module for Car Radio	Method and Apparatus for	Wireless Protocol	Capability to a Wireless	Device, Such as a Wireless Phone	Method and Apparatus for	Providing Power and Wireless Protocol	Capability to a Wireless	Phone	Wireless Adapter for Use	With Proprietary Hands- Free Car Kits in Support of	Multi-Model Mobile Phones	Bluetooth External Module	for Car Radio	System and Method for	Response to a Telephone	Call	Preventing Wireless Fraud	Secure	Validation/Registration of	A Cellular/PGS Handset	NAM Download Capability	Using a Wide-Area raying	A Cellular/PCS Handset	NAM Download Capability	System System	
Grant Date					•		21-Oct-03									·				30-Jul-96		00	19-MBy-80		0 000	10-00-01		18-Feb-00	
Application Date		24-Jun-02	24_hm_02	20.100.17			31-Dec-01				29_fut-03			31-Dec-01		31-Dec-01			06-May-02	12 May 05	16-TVIOL-30		23-May-96	•		15-Jun-94		16-Jun-94	
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	Owner	AT&T Wireless		AT&T Wireless				AT&I WIRBIESS				AT&T Wireless			AT&T Wireless	AT9T Wireless	AIGI Wildias		ATET Windlass		AT&T Wireless		AT&T Wireless			AT&T Wireless		A TO T Mississipped	AIGI Wirdidaa
Patent	Number							6636749								-			•		5541977	-	5754952			94106449.2			3035158
Application	Number	PCT/US02/20165		PCT/US02/20121				10/036188				10/630646			10/036151		10/036109			2616507	08/440183		08/652214		· ·	94106449.2			6-155408/1994
Docket	Number	577.PCT2		577.PCT3				577.US1				577.US1.C1			577.US2		577.US3			585.US	586.US.C1		CD 211882			587.CN			587.JP

				Votenta	Application .	Grant	-
Docket	Application	Patent		Name	Date	Date	Title
Nimber	Number	Number	Owner	2 I I I			A Cellular/PCS Handset
							Using a Wide-Area Paging
		<u></u>			26-Mav-94	24-Aug-02	System
	40.4004.0011468	363502	AT&T Wireless	South North	Tom or		Cellular/PCS Handset
587.KK	100-1881-01						NAM Download Capability
			-				Using a Wide-Area Faging
				1 Inited States	20-Aug-96	24-Feb-98	System
C 311 E 93	08/700135	5722084	AT&T Wireless	OIIIIGO CONTO			Traffic Information
587.03.02	20100						Estimation and Reporting
			1	chang	14-Aug-96	27-Jul-99	System
4000	2183284	2183284	AT&T Wireless	Callana			Traffic Information
200.00	7.000						Estimation and Reporting
				Cormany	28-Aug-96	20-Dec-00	System
TO ARE	763807	DE69611274D	AT&T Wireless	Collinging			Traffic Information
				European Patent		20.00-00	System
		10001	AT&T Wireless	Convention	28-Aug-90	20-000	Traffic Information
588.EPC	96113768.4	103001					Estimation and Reporting
					28 Aug-06	20-Dec-00	System
8	06449769 4	763807	AT&T Wireless	France	oc-Roy-oz		Traffic Information
288.FK	90113700.4						Estimation and Reporting
				cictical to a	28-Aug-96	20-Dec-00	System
5	06112768 A	763807	AT&T Wireless	Great Diliani	Bar i Aa		Traffic Information
288.68	30110100						Estimation and Reporting
				2000	13-Sep-96		System
0	242430/1996		AT&T Wireless	Japan			Traffic Information
300.31	775700				•		Estimation and Reporting
			20010-1147	Mexico	05-Sep-96	24-Oct-00	System
588.MX	963902	199227	Al&i Wileless				Fetimation and Reporting
					90 000 77	24-Mar-98	System
9	768685	5732383	AT&T Wireless	United States	- Oct		Pager-Controlled Wireless
200.00	20000			A.etrolia	09-Jan-97	05-Oct-00	Radiotelephone
589 A!!	10091/97	721050.	AT&T Wireless	Australia			Pager-Controlled Wireless
25.505	1	:	ATOT Mimlose	Canada	10-Dec-96		Kadiotelepriorie
589.CA	2192500		AIGI WIIGIGSS	Fumpean Patent			Pager-Controlled Wireless
				Convention	10-Jan-97		Radiotelephone
589.EPC	97100336.3		Al&i Wireless			· 	Pager-Controlled Wireless
				- Level	10-Jan-97		Radiotelephone
589.JP	2480/1997		AIGI WITEIGSS		8	07-Anr-98	Radiotelephone
21.083	08/584417	5737707	AT&T Wireless	United States	11-Jan-90	25 10 10	
20:00				٠.			

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Title	Automated Wireless-Call Completion Using a Paging Network	Automated Wireless-Call	Completion Using a raging Network	Automated Wireless-Call	Completion Using a Paging Network	Automated Wireless-Call	Completion Using a Paging	Automated Wireless-Call	Completion Using a Paging Network	Method and Apparatus for Spatial Redundancy in	Cellular Networks	Transition: Selecting the Optimal Cellular Radio Mix	Anatog-to-Digital	Transition: Selecting the Optimal Cellular Radio Mix	Analog-to-Digital	Transition: Selecting the Optimal Cellular Radio Mix	Analog-to-Digital	Transition: Selecting the Optimal Cellular Radio Mix	Analog-to-Digital	Optimal Cellular Radio Mix	Analog-to-Digital	Optimal Cellular Radio Mix	Analog-to-Digital	Transition: Selecting the Optimal Cellular Radio Mix	Analog-to-Digital	Transition: Selecting the Optimat Cellular Radio Mix
Grant Date	19-Oct-00		05-Dec-00						01-Sep-98		07-Sep-99	00 111 00	03-00r			31-101-02	70 10	31-Jul-02		31~Jul-02		31-Jul-02		:		28-Sep-99
Application Date	09-lan-97		10-Dec-96		10. lan-97			10-Jan-9/	11-Jan-96		08-Sep-97	00	US-Apr-90	02. hrn-98	20-1100-20	07 Apr.08	06-104-10	07-Anr-98		07-Apr-98		07-Apr-98		02_lin_98	OS-Jun-20	03_11m-97
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Owner		AT&T Wireless	ATOT Mireless	\dagger		Ala Wireless		AT&T Wireless	A TO T Wilcology	A MIGGES	AT&T Wireless		AT&T Wireless		AT&T Wireless		AT&T Wireless		AIĞI WIREIESS	ATRT Wireless	Alal Wildias	A TOT Mireless	AIGI WIIBIBS	•	AT&T Wireless	2
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	Date Title		Telephone Kegistration 101	Oniversal Telephone	\dagger	Telephone Registration for	Universal Telephone	26-Nov-03 Number Service		Telephone Registration for	Universal Telephone	Number Service	Automatic Cellular	Telephone Registration This The company of th	Number Service	Automatic Cellular	Telephone Registration for	Universal Telephone	28-Sep-99 Number Service	Wireless Communications	Cellular Alchinactura io	44 Dec 00 Resource Allocation	T	Cellular Architecture for	Improving Communications	Resource Alfocation	Method for Predicting the	Location of a Mobile	Station in a Mobile	Method for Self-Calibration	of a Wireless	12-Aug-03 Communication System		Or a Wireless	Mathed for Soff-Calibration	of a Wireless	Communication System	Wireless Communication	System With Adaptive	Channel Allicatori
Application	Date			•	26-Feb-9/			28.Eeh.97	1000			28-Feb-97			20 50 107	79-Leo-9/		·	28-Feb-96			;	22-May-97			20. hip.01	20min			30-Sep-97		08-Mav-97			08-May-97	·.	00 May 07	No-may-or		06-Jul-01
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	Docket					594.EPC 97			504 GB				594.JP				394.RK			594.US				595.US			605116 (7)			•	596.US		597.CA.CP1		_	597.CA.CP1D1		_	387.CA.CP.102	

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		trotco		Country	Application	Grant	Title	
Docket	Application	Number	Owner	Name	Date	+	Method for Self-Calibration	
Number	Numper	Number					of a Wireless	
			AT&T Wireless	Japan 2	24-Oct-97		Communication of stem	
97.JP.CP1	291857/1997						Method for Seir-Calibration	
 							Communication System	•
. !	102300 1000		AT&T Wireless	Japan	10-201-01		Method for Self-Calibration	
97.JP.D1	Z001-Z00004					20-00-02	of a Wireless Communication System	•
97.US.CP1	08/736871	6473623	AT&T Wireless	United States	25-Oct-90	5 50 57	Method for Self-Calibration of a Wireless	
				I Inited States	08-Oct-02	10-Aug-04	Communication System	
597.US.CP1C1	1133622	6775549	AT&T Wireless				Method for Sell-Calibration	
				States Project	30-Dec-98	17-Dec-02	Communication System	
597.US.D1	09/222894	6496699	AT&T WIRBIGSS	Ollinous Domino		-	Providing Access to a	
							Telecommunications	
				Canada	12-Mar-98	18-Feb-03	Network Coton for	
598 CA	2231928	2231928	AT&T Wireless	Callada			Method and System for Providing Access to a	
							Telecommunications	
		· .			. 02. hrs-98		Network	
140 000	98109550.X		AT&T Wireless	China P.R.	20,000		Method and System for	
380.CM							Providing Access to a	
						10.May-04	Network	
!	9 707 7000	883315	AT&T Wireless	Germany	02-Mar-96	i STINIGI	Method and System for	
598.DE	98301494.3	20000					Providing Access to a	
•			•	European Patent			Telecommunications	
			AT&T Wireless	Convention	02-Mar-98	19-May-04	Method and System for	_
598.EPC	98301494.5	883313				٠.,	Providing Access to a	
							Telecommunications	
	•			France	02-Mar-98	19-May-04	Network Network	_
20 ED	98301494.5	883315	AIGI WITEIESS				Memod and System of	-
230.11							Telecommunications	<u>.</u>
					90 1100 00	19-May-04	Network	
608 68	98301494.5	883315	AT&T Wireless	Great Britain	OG-IMIGI - OO		Method and System for	
20.065							Telecommunications	
				0.FC	01-Apr-98		Network	٦.
598.IN	687/MAS/98		AT&T WIreless	BING I				

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ocket		Datont		Country	Application	Grant	Title
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Naming							Providing Access to a
							Telecommunications
		4			27-Mav-98		Network
	190011		AT&T Wireless	Japan			Method and System for
598.JP	10-145207						Providing Access to a
							Telecommunications
•							Network
			ATET Wineless	Mexico	01-Jun-98		Mothad and Sychem for
598 MX	984354		Aldi Wildian				Melliod and Oystem 15:
							Providing Access to a
				_			Telecommunications
				Cotolo Latin	03.110-97		Network
	001060407		AT&T Wireless	United States	in the same of the		International Roaming
598.US	08/888407			•			Service for Permittling a
							CellularWireless
				٠			Telephone Instrument to
							Access Different Wireless
							Telephone Network
							Conforme
			0001-1111-1-0-1-0	Brazil	21-Aug-00		Systems Systems
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							Service for Permining a
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							Telephone Instrument to
							Access Different Wireless
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į			AT&T Wireless	Canada	no Ansa-11		International Roaming
600.CA	2316088			-			Service for Permitting a
		-	_				CellularWireless
							Telephone Instrument to
			_				Access Different Wireless
			•	-			Telephone Network
				European Patent			Systems
			AT&T Wireless	Convention	16-Jun-00	-	International Roaming
600.EPC	112746.3		5				Service for Permitting a
							CellularWireless
							Telephone Instrument to
		-				-	Access Different Wireless
							Telephone Network
٠							Systems
			AT&T Wireless	Japan	25-Aug-00	-	International Roaming
600.JP	2000-254818						Service for Permitting
					-		CellularWireless
					27.Aim.00	22-Jun-04	Telephone Instrument to
9	00/201451	6754490	AT&T Wireless	United States	CO-ROW-17		
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Docket	Application	Patent		Country	Date	Date	Title	
Number	Number	Number	Owner	Name			Access Different Wireless	
							Telephone Network Systems	
-							International Roaming	•
							Service for Permitting a	
-							CellularWireless	
							Telephone Instrument to	
	-						Telephone Network	
_			-				Systems	
			AT&T Wireless	United States	17-Jun-04		Method and Apparatus for	
00.US.C1	mailed						Navigation Using a Portable Communication	
				00000	22.Dec.99	13-Nov-01	Device	
31100	09/469266	6317684	AT&T Wireless	United States	77-700-37		Method and Apparatus for	
002.03							Using Power Control in a	
-				I Inited States	21-Jan-00	11-Jun-02	Wireless System	
603.US	09/489477	6404388	AT&I WIREIESS	20110			Method and Appalates 15:	
	•						Using Power Control in a	
				1 Inited Chates	24-May-02	08-Jul-03	Wireless System	
603 US C1 .	10/155380	6590533	AT&T Wireless	Onlied States			Method and Apparatus for	
							Using Power Control in a	
			-	Ctoto	06-1111-03		Wireless System	
603 110 (74/1)	10/456052		AT&T Wireless	United States	D. III		Intelligent Roadway	
603.03.0117	10000101			1 Inited States	15-Nov-02	01~Jun-04	System	
604.US.C1	10/295293	6744383	AT&T Wireless	Oillion Oillion			Service for Predicting and	
							Handling Communication	
			AT&T Wireless	United States	08-Jul-01		Interruption	
605.US	09/900773			European Patent	; ;		Secure Online Purchasing	
000	3743137.6		AT&T Wireless	Convention	18-Feb-03	-		
avo.er.c		,		Cooperation		.:		
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606.PCT	PCT/US03/04650		Alai Wieless	Linited States	22-Feb-02	:	Secure Online Purchasing	_
e06.US	10/080988		A I & I WITEIESS	11-ited Chatee	30-Mav-02		Secure Online Purchasing	_
606.US.CP1	10/160656		AT&T Wireless	Officed States			A Call Queue in a Wireless	
31.200	10/017629		AT&T Wireless	United States	13-Dec-01		Device	٦.
607.03	10/01/050							

Docket	Application	Patent		Country	Application Date	Grant Date	Title	_ r
Number	Number	Number	Owner	Malic			Efficient Synchronous and	
				Claited States	31-Jul-02		Replication	
Silena	10/209754		AT&T Wireless	United States			System and Method for	
200.00				Patent			Providing a Digital Rights	
				Cooperation			Scheme for Browser	
			AT&T Wireless	Treaty	23-May-03		Downloads	Т
609.PCT	PCT/US03/16652		AIGH WHICHOS				System and Meurod to	_
				-			Scheme for Browser	
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	10,400		AT&T Wireless	United States	30-May-02		Sport of Society of State of S	Г
609.US	10/ 100033		AT&T Wireless	United States	25-Sep-02		Virtual Subscriber News	7
614.US	10/259558			1 Inited States	28-Mav-04			Т
618.US	1387467		AT&T WIreless	Officed Oracos	20.00		PIC Freeze	
640.116	10/690468		AT&T Wireless	United States	Z0-100-02		Biometric Authentication of	
013.00				1 Inited States	24-Mav-02		a Wireless Device User	Т
621.US	10/155917		AT&I WIREIESS	Dotont Dotont			•	
				Cooperation			Multi-Standard Prepaid	
				Treat	09-Mar-04		Communication Services	Т
622.PCT	PCT/US04/07235		AT&I WIREIESS	Licary			Multi-Standard Prepaid	
			ATRT Wireless	United States	18-Mar-03		Communication Services	T
622.US	-445686		Aldi Wildias	Patent			Prepaid	
				Cooperation	;		Telecommunications	
100	DCT// 1003/28318	-	AT&T Wireless	Treaty	12-Nov-03		Prepaid	Π
623.PC1	2100000000						Telecommunications	
			20010-1111	United States	14-Nov-02		System	Т
625.US	10/295233		A I & I WII BIGSS				System and Method for	
			AT&T Wireless	United States	07-May-04		Toxt Abbreviation Methods	2
628.US	10/040010				•		and Apparatus and	
				I tritted States	28-Oct-02		Systems Using Same	
630.US	10/282742		Al&i wireless	Course Course			Speech to Message	•
			AT9T Minipes	United States	28-0ct-02		Processing	1
632.US	10/282909		AIGH WIIGHSS		40 403		Interrogate Response Communication (IRC)	•
633.US	malled		AT&T Wireless	United States	19-180-03		Interactive Education Tool	7
634 HS CP1	10/279170	.	AT&T Wireless	United States	23-CG-04		December Test System	
626.16	40/834977		AT&T Wireless	United States	04-Aug-03	-	o about 1	7
20.50				Linited States	23-Sep-02		Apparatus, and Networks	
636.US	10/253403		AT&T Wireless	OIIIGO CIGIGO			, ,	
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			Patent			Network and Associated
				10-Jun-03		Method (Friend Finder)
¥	<۱	AT&T Wireless	lieary			System for Providing
					•	a Wireless Network, Such
					•	as Locating Individuals and
			201010	70.00-07		Coordinating Meetings
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		AT&T Wireless	United States	28-001-02	-	Simplified Wireless Device
	Т			60 1.7		Pairing
,		AT&T Wireless	United States	11-701-03		System and Method for
			1			Integrating Local-Area and
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•	•			Cooperation	23.Oct-03		Wireless Network
	CO30030303		AT&T Wireless	Ireary	20-00-02		System and Method for
369.PCI	FC1/0303/3333						Content Delivery Using
							Alternate Data Paths in a
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			AT&T Wireless	United States	20-Dec-02		System and Method for
669.US	10/324613						Delivering Data Services in
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	AT&T Wireless	Convention	03-Feb-98		Communications
					Division Duplex
	AT&T Wireless	Japan	03-Feb-98		Method for Frequency
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103104 AT&T Wireless Argentina 21-Jun-00	Number	Number	Number	Owner	Name	Date	Date	Title
103104 103104 AT&T Wireless Argentina 21-Jun-00 AT&T Wireless Treaty						,		Observing a Phase- Frequency Relationship of
103104 103104 AT&I Wireless Argentina 21-Jun-00								a Plurality of Pilot Signals
103104								Methods and Apparatus for Use in Obtaining
103104 103104 AT&T Wireless Argentina 21-Jun-00								Frequency Synchronization
103104 AT&T Wireless Argentina 21-Jun-00								in an OFDM
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20:00							Data Scrambling to	or in
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760.US	09/572144	6445912	AIGI WIIGIGS				Intelligent Presentation Network Management	
			ATET Wireless	United States	24-Feb-00		Systems	
761.US	09/511168		Alai Wireiss				Session Subscription	
				;			System and Method for	
765.BR	0005942-0		AT&T Wireless	Brazil	ZO-Dec-00		Session Subscription	
							System and Method for	
			AT&T Wireless	Canada	16-Nov-00		Same	
765.CA	7350217						Session Subscription	
				European Patent		<u></u>	System and Method for Same	
765.EPC	311492.3		AT&T Wireless	Convention	70-Dec-00		Session Subscription	
							System and Method for	
			ATRT Wireless	Mexico	20-Dec-00		Same	
765.MX	12896		2000				Session Subscription System and Method for	
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	700007	·	AT&T Wireless	Argentina	22-Dec-00		Pools	
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							Technique for High Speed	
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21,022	09/694943	6697983	AT&T Wireless	United States	74-0CI-00	20.00	Data Link Layer Tunneling	
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							Data in a Noisy Wireless	•
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							Mechanism for Wireless	
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772.US2	09/745219	0/909/9	2000				Collision-Free Multiple	
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				European Patent			Scheme for Multi-1 one	
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775.EPC	311028.5				-		Collision-Free Multiple	_
							Access Reservation	
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77E 1 IC	00/618653		AT&T Wireless	United States	18-Jul-00		Method and Apparatus for	_
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779110	228522		AT&T Wireless	United States	78-NOV-00		Method and Apparatus for	· T
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			AT&T Wireless	Argentina	08-Feb-01		Factor	_
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							Choice Over a High-speed	1
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Title	Communication of Orthogonal Frequency Division Multiplexed Signal	Multicarrier Transmission Using Polarized Antennae	Adaptive Dual-Polarization Communication of Orthogonal Frequency Division Multiplexed	Transmit Power Control for an OFDM-Based Wireless Communication System	Method for Shared Network Modem Dialup Intranet Access Over a Wireless Network Using PPPoE	Method of Determining RF Coverage Area in a Point- to-Multipoint Transmission System	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Estimating Changes in Product Life Resulting From HALT Using Exponential
Grant Date											
Application Date		13-Jun-01	14-11-00	28-Feb-01	12-Jun-01	05-Jun-01	13-Jun-01	13-Jun-01	18-0:4-01	28-Nov-00	06-Jul-01
Country Name		Patent Cooperation Treaty	United States	United States	United States	United States	Argentina	Malaysia	Taiwan	United States	United States
Owner		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
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Application Number		PCT/US01/18983 ·	09/616128	2665785	09/879350	09/874570	10102824	P120012764	90113964	722695	09/900779
Docket Number		782.PCT	782.US1	784.US	786.US	787.US	789.AR	789.MY	789.TW	789.US	792.US

	Date Title	Acceleration Model	Method for Estimating	Resulting From HALT	Using Quadratic	Acceleration Model	Topos Estimation	for OFDM Systems	System and Method of	Assigning Priority to	Remote Units in a Collision	Free Multiple Access	Protocol	System and Method of	Assigning Priority to	Remote Units in a Collision	Free Multiple Access	Protocol	Method for Synchronization	of Received Signals	Time Synchronization	Method for Method OFDM	Signal	A Real-Time Rate Control	Mechanism for Multi-Rate	Data Transmissions in	Wireless Networks	A Real-Time Rate Control	Mechanism for Multi-Kate	Data Transmissions in	Wireless Networks	System and Method for	Channel Assignment With	Adaptive Modulation in	Wireless Corminations	At. 1st Condon Natural	Multi-Service Network	Multi-Service Network Interface Apparatus for Errorican-Division	Multi-Service Network interface Apparatus for Frequency-Division Autitiplexed
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Docket	Application	Patent		Country	Application Date	Grant Date	Title	
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							System and Method for	
							Planning and Operating a Telecommunications	
					25 Mar Od		Network	
31.000	60/557153		AT&T Wireless	United States	27-10101-7-		Terminal-Based Server for	
20.150				1 Inited States	24-Sep-04		Location Tracking	
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	000700707		AT&T Wireless	United States	09-Apr-04		System and Method for	
387.US	000128/01						Voice Recognition Using	
			AT&T Wireless	United States	20-May-04		User Location Information	
888.US	mailed						Page in Wireless World	
511088	10/822187	-	AT&T Wireless	United States	09-Apr-04		Identifying A Device to a	
20:500			2001020141 1010	United States	22-Jan-04		Network	_
894.US	10/763862		Ald Wireless	333113			System for Providing	
							Location-Based Services in a Wireless Network, Such	
							as Locating Sets of	· —-
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mailed	AT&T Wireless/IXI	United States	20-Sep-04		Mobile Communications Device
	BIOM				Wireless Communication
+0+* —	+		- 1		Stations Establish a
NISC.	Wireless/Atmel				Communication Link
237.CA 2231255 Corp.	Corp.	Canada	30-Aug-96		Tillough ure base commit

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40700	Application	Patent			Application	Grant Date	Title	
Number	Number		Owner	Маше	Caro		Marion Comminication	
			AT&1 Wireless/Atmel	Canada	30-Aug-96		System	
37.CA.D1	2321957		AT&T Wireless/Atmel	European Patent	30-Aug-96		Wireless Communication System	
37.EPC	96946386.8		Corp.					
			AT&T Wireless/Atmel		30-Aug-96		Wireless Communication System	
237.JP	354166		Corp.			<u> </u>	Wireless Communication	
VI 100	981827	202428	Wireless/Atmel Corp.	Mexico	30-Aug-96	15-Jun-01	System	
VM. 163			AT&T Wireless/Atmel	States Potici	08-Sep-95	08-Jun-99	Wireless Communication System	
237.US	-44345	5911120	Corp.					
		6775432	Wireless/Atmel	United States	04-Nov-98	11-May-04	Cordless Cellular System Mobile Telecommunication	
237.US.D1	868681/80						Device and Method Used for Changing Wireless	
		·.	H 0 H 4				Communication Between	
			Wireless/Atmel		30-Aug-96	30-Jul-02	Kinds	
238.CA	2231370	2231370	Corp.	Canada	8		Mobile Telecommunication	
	·	· ·				<u> </u>	for Changing Wireless Communication Between	
			AT&T Wireless/Atmel	Company	30-Aug-96	16-Jan-02	Kinds (PBS #3)	
238.DE	96940621.4	69618604.7	Com.	650			Device and Method Used	
							for Changing Wireless Communication Between	
			AT&T Wireless/Atmei	European Patent		46 los 03	Base Stations of Different Kinds	
220 EDC	96940621.4	848888	Corp.	Convention	30-Aug-96	10-20II-74	Mobile Telecommunication	_
230:51							for Changing Wireless	
			AT&T				Communication Between Base Stations of Different	
	7 70307000	84888	Corp.	France	30-Aug-96	16-Jan-02	Ninds (Tod by)	}
238.FR	96940521.4	040000						
	· · · · · · · · · · · · · · · · · · ·							

Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title
NUMBER	Number						Mobile Telecommunication Device and Method Used for Changing Wireless
0000	060406214	84888	AT&T Wireless/Atmel Corp.	Great Britain	30-Aug-96	16-Jan-02	Base Stations of Different Kinds (PBS #3)
236.95 238 ID	9.511293		AT&T Wireless/Atmel Corp.	Japan	30-Aug-96		A Mobile Telecommunicating Device and Method of Operation
			AT&T Wireless/Atmel	Sixon	30-Aur-96	15-Jun-01	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds
Z38.MX	981819	202421					Mobile Telecommunication Device and Method Used for Changing Wireless
91	00983	67323460	AT&T Wireless/Atmel	United States	08-Sep-95	24-Mar-98	Communication Between Base Stations of Different Kinds (PBS #3)
			AT&T	European Patent	11-Feb-03		Centralized Communications Network Charging Methods and Apparatus
546.EPC	3739732		AT&T	Patent Cooperation			Centralized Communications Network Charging Methods and
546.PCT	PCT/US03/04036		Wireless/Nortel	Treaty	11-160-03		Centralized Communications Network Charging Method and
546.US	10/365116		Wireless/Nortel	United States	11-Feb-03		Telecommunications Network Centralized
546P1.US	60/356579		AT&T Wireless/Nortel	United States	11-Feb-02		Charging System Topology
546P2.US	60/356578		AT&T Wireless/Nortel	United States	11-Feb-02		Apparatus Methods and Apparatus Method for Implementing
456.US	09/406278		AT&T/AT&T Wireless	United States	24-Sep-99		Service Logic Via Database Table Transversals
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Docket Application Patent Country Application Title Number Number Number Avii 1/18 st 12-lan-89							+0000	
Part Aptimizer Number ArtaTivTaT United States 12-Jan-99 30-Oct-01 75-55 75-	1	Application	Patent		Country	Application Date	Date	Title
1818413.6 1818	nber	Number	Number	Owner	Name	250		Calling Party Paid Wireless Telecommunication
1818413.6 ATATATAT Chine P.R. 06-Nov-O1 Dela Novel	-			AT&T/AT&T			30-Oct-01	System Method and Apparatus for
1818413.8 Mireless ATATATAT Chine P.R. Ge-Nov-O1 Delivation Delivatio		09/228646	6311053					Network-Assisted Automatic Confirmation of
1818413.8 Wireless Convention O6-Jun-01 O6-Jun-01	<u>-</u>			AT&T/AT&T	0 0	06-Nov-01		Short Message Service Delivery
1990011.7 Avireless Convention De-Nov-01 Show-01 Show-	7	1818413.8	.	Wireless	Cultura F. K.			Method and Apparatus for Network-Assisted
1990011.7 Wheless Convention O6-Nov-01 New Patent Cooperation O6-Nov-01 New Patent Cooperation O6-Nov-01 New Patent Treaty Cooperation O6-Nov-01 New Patent Treaty O6-Nov-01 O				AT&T/AT&T	European Patent			Automatic Confirmation of Short Message Service Delivery
Patent P	ر	1990011.7		Wireless	Convention	06-Nov-01		Method and Apparatus for
PCT7US0147231 AT&T/AT&T Cooperation De-Nov-01 Mineless Tready Mineless Tready Mineless Min	2				Patent			Automatic Confirmation of Short Message Service
PCT/US0147231				AT&T/AT&T Wireless	Cooperation Treaty	06-Nov-01		Delivery Method and Apparatus for
10011554 Mineless Mineless	CI CI	PCT/US01/47231						Network-Assisted Automatic Confirmation of
10011554 Wireless	*			AT&T/AT&T	United States	06-Nov-01		Short Message Service Delivery
1100127.8 AT&TAT&T Convention 12-Jan-01 N N N N N N N N N	US2	10/011554		Wireless	Fumnaan Patent			Wireless Internet Call
111296.6 AT&T/AT&T United States 11-Dec-00 N		1100127 B		AT&T/AT&T Wireless	Convention	12-Jan-01		Waiting Service Methods and Apparatus for
09/734157 Wireless United States 04-Sep-01 V V V V V V V V V	ָרָר בריים			AT&T/AT&T		11-000-00		Wireless Auto- Conferencing
C1 09/945868 AT&T/AT&T United States 04-Sep-01 Convention O7-Jun-01 Convention O7-Jun-01 AT&T/AT&T European Patent Convention AT&T/AT&T AT&T/AT&T United States 16-Feb-01 22-Jun-04 AT&T/AT&T AT&T/AT&T United States 07-May-01 AT&T/AT&T European Patent Convention O6-Jun-01 AT&T/AT&T European Patent Convention O6-Jun-01 AT&T/AT&T European Patent Convention O6-Jun-01 AT&T/AT&T AT&T/AT&T European Patent Convention O6-Jun-01 AT&T/AT&T AT&T/AT&T Convention O6-Jun-01 AT&T/AT&T AT&T/AT&T AT&T/AT&T Convention O6-Jun-01 AT	Sn	09/734157		Wireless	Onited States			Methods and Apparatus for Wireless Auto-
1112965.7 AT&T/AT&T European Patent Convention 07-Jun-01 1112965.7 AT&T/AT&T Convention 07-Jun-01 -522416 6754506 Wireless 16-Feb-01 22-Jun-04 -615919 AT&T/AT&T United States 07-May-01 41112956.6 Wireless Convention 06-Jun-01		0303		AT&T/AT&T Wireless	United States	04-Sep-01		Conferencing TDMA Communication
1112965.7 Wireless Convention 16-Feb-01 22-Jun-04 -522416 6754506 Wireless Wireless 16-Feb-01 22-Jun-04 -522416 AT&T/AT&T United States 07-May-01	US.C1	08/843000		AT&T/AT&T	European Patent			System Having Emained Power Control
-522416 6754506 Wireless 16-Feb-01 22-Jun-04 -615919 AT&T/AT&T United States 07-May-01 Wireless AT&T/AT&T European Patent O6-Jun-01 Wireless Convention 06-Jun-01	EPC	1112965.7		Wireless				System Having Enhanced
-615919 AT&T/AT&T United States 07-May-01 Wireless European Patent Onvention 06-Jun-01 Wireless Convention 06-Jun-01	3.US	-522416	6754506	AT&T/AT&T Wireless	United States	16-Feb-01	22-Jun-04	Method and System for Signaling Presence of
-615919 AT&T/AT&T European Patent 06-Jun-01 Wireless Convention 06-Jun-01				AT&T/AT&T	United States	07-May-01		Users in a Multi-Networked Environment
1112956.6 Wireless	SU.7	-615919		AT&T/AT&T	European Pater			Sharing Wireless Content
	2.EPC	1112956.6		Wireless				

				Country	Application	Grant	
Docket	Application	Nimber	Owner	Name	Date	Date	Title
Number	Number		AT&T/AT&T		00 000		Method and Apparatus for Sharing Wireless Content
572.US	09/801635		Wireless	United States	O-INIGI -CO		Progressive Reuse
			AT&T/AT&T		15-Nov-02		Partitioning for improved interference Rejection in Wireless Packet Networks
629.CA	2411899		Wireless	Canada			Progressive Reuse
·			AT&T/AT&T				Partitioning for Improved Interference Rejection in Wireless Packet Networks
629.US	1035707		Wireless	United States	200151		Method and Apparatus for
			AT&T/AT&T	United States	04-Sep-98	11-Jun-02	Controlling Access to a Communication Channel
727.US	09/148316	0404/33	2500				Apparatus, system and
,			AT&T/AT&T	Patent Cooperation Treatv	14-Sep-01		Method for Validating Integrity of Transmitted Data
741.PCT	PCT/US01/28658		VVIIGIGES				Apparatus, System and
			AT&T/AT&T	Linited Ctates	18-Sep-00		Method for Validating Integrity of Transmitted Data
741.US	2670533		Wireless	Olintau Otalias			Apparatus, System and
							Method for Detecting a Loss of Key Stream
			AT&T/AT&T		i i		Synchronization in a
31107	00/783843		Wireless	United States	15-Feb-01		Anaratus, System and
145.03							Method for Validating
			AT&T/AT&T	European Patent	15-May-02		Integrity of Transmitted Data
743.EPC	2731814.6		Wireless				Apparatus, System and
			AT&T/AT&T	Patent Cooperation			Method for Validating Integrity of Transmitted Data
743 PCT	PCT/US02/15451		Wireless	Treaty	15-May-02	-	Apparatus, System and
		· · ·	AT&T/AT&T				Method for Validating Integrity of Transmitted Data
743.US	09/879575		Wireless	United States	12-Jun-01		Airline Telephone Handset
	·						With Digital Passenger Control Functions and
			Claircom	1 Inited States	21-Apr-94	10-Oct-95	Video Game Controls
186.US	29/021670	D363068	Continuinceuoris				,

100	Annlication	Patent		Country	Application	Grant	Title	
Docker	Nimber	Number	Owner	Name	Date	2	Airline Telephone Handset	
Nomina					. ;		With Digital Passenger Control Functions and	
				Chatter Chatter	25-Apr-94	23-Jan-96	Video Game Controls	
BB.US.CP1	29/021800	D366482	Communications	†			Airline Telephone Handset	
							Control Functions and	•
			Claircom	United States	19-Jun-95	18-Jun-96	Video Game Controls	
86.US.D1	29/040119	D370910	†				Telephone Handset and	
87115	08/482288	5652792	Claircom	United States	07-Jun-95	29-Jul-97	Cradle	
D. 10	2246/95	18022	Claircom Communications	Austria	08-Sep-95	20-Oct-95	Telephone Handset	
180.A1	1005,1008	77925	Claircom Communications	Canada	07-Sep-95	25-Jan-96	Telephone Handset	
7000	MOED 201 A	M9507231.4	Claircom	Germany	07-Sep-95	21-Feb-96	Telephone Handset	
188.DE	W8307.231.4	700730	Claircom	France	11-Sep-95	09-Feb-96	Telephone Handset	
188.FR	954887	904001 204027R	Claircom	Great Britain	08-Sep-95	25-Jan-96	Telephone Handset	
188.GB	2050278	9900591	Claircom Communications	Hong Kong	10-Mar-95	23~Jul-99	Telephone Handset	
188.KR	16827/1995	192764	Claircom	South Korea	07-Sep-95	03-Feb-97	Telephone Handset	·
188.SE	951701	59555	Claircom Communications	Sweden	08-Sep-95	05-Jun-96	Telephone Handset	
188.5G	2050278	2050278	Claircom Communications	Singapore	08-Sep-95	25-Jan-96	Telephone Handset	-1.
	29/035969	D371553	Claircom Communications	United States	10-Mar-95	96-Jnf-60	Telephone Handset	
189.EPC	96907201.6		Claircom Communications	European Patent Convention	08-Mar-96		Handset in an Armrest Tube Mounted Telephone	
189.HK	98106849.3		Claircom	Hong Kong	26-Jun-98		Handset in an Armrest Tube Mounted Telephone	
189.US	2548877	5627891	Communications	United States	10-Mar-95	08-May-97	Handset in an Armrest	7

Application Number Patent Number Country Date Application Date Grant Date Application Date Grant Date Application Date Grant Date August							. •	
Number Number Number Owner Native Saperable Caricom California Ca	10	Application	Patent		Country	Application Date	Grant Date	Title
10-1996-705967 10-348946 Cammunications Cammunica	ber	Number	Number	Owner	Name		20 101 00	Aimlane Telephone
California Communications Japan 25-Apr-85 March		29580194.8	29580194.8	Communications	Germany	25-Apr-95	20-ren-92	
10-1996-705967 10-348946 Communications South Korea 25-Apr-95 C2-Aug-02 An Communications Co				Claircom Communications	Japan	25-Apr-95		Airplane Telephone
The Figure Communications Designation		527740/93	10.348946	Claircom Communications	South Korea	25-Apr-95	02-Aug-02	Airplane Telephone
Patent P		06501-0651-01		Claircom Communications	Mexico	25-Apr-95		Airplane Telephone
PCT/US95/04821 95/04821 Communications United States 26-Mar-83 31-Oct-85 Communications United States 26-Mar-83 25-Apr-95 V Californ Californ		965011		Claircom	Patent Cooperation	25-Apr-95	02-Nov-95	Airplane Telephone
08/040180 5463678 Communications United States 26-Mar-93 25-Apr-95 Town of the communications United States 26-Mar-93 25-Apr-95 Town of the communications United States 26-Mar-93 28-Feb-95 Town of the communications United States 26-Mar-93 28-Feb-95 September Communications United States 26-Mar-93 22-Aug-95 September Communications United States 26-Mar-93 22-Aug-95 September Communications United States 26-Mar-93 22-Aug-95 September Communications United States 30-Mov-96 September Communications United States 30-Mov-96 September Communications United States September September Communications United States September September September Communications United States September Septem		PCT/US95/04821	95/04821	Communications	A CORPORATION OF THE CORPORATION	60	31-Oct-95	Credit Card Reader
OB/040179 5410597 Communications United States 26-Mar-93 25-Apr-95 Table		08/040180	5463678	Communications	United States	26-IPM-07		Wired Seat Back Aircraft
Claircom Claircom Claircom Claircom Claircom Claircom Claircom Claircom Communications Communi		08/040179	5410597	Claircom Communications	United States	26-Mar-93	25-Apr-95	Telephone Set
OB/04017B				Claircom	Linited States	26-Mar-93	28-Feb-95	Strain Relief
O8/04226 5455964 Communications United States 26-Mar-93 03-Oct-95 Californ Californ Communications United States 26-Mar-93 22-Aug-95 Californ Communications United States 26-May-95 21-May-02 Californ Communications United States 30-Nov-99 Communications Californ Californ Communications United States 14-Mar-01 Californ Communications Californ Communications Californ Communications Californ Communications Californ Communications Californ Communications Californ Californ Communications Californ Californ	(0	08/040178	5394467	Communications				and Power in an Airborne
Colored Color		90,000	5455964	Claircom	United States	26-Mar-93	03-0ct-95	Communication System
C1 08/451719 G393281 Communications United States 26-May-95 21-May-02 C2 09/451779 G393281 Communications United States 30-Nov-99 21-May-02 C6C2C2 09/451579 Claircom United States 14-Mar-01 10-Sep-02 C6C4C1 Mailed ** Communications United States 08-Mar-00 10-Sep-02 C1 09/520806 6449287 Communications United States 02-Aug-02 C1 09/520806 Calaircom Communications United States 02-Aug-02	S	08/04/24/20		Claircom	1 Inited States	26-Mar-93	22-Aug-95	Airplane Telephone Set
C1 08/451719 6393281 Communications United States 26-May-95 21-May-02 C6C2C2 09/451579 Claircom United States 14-Mar-01 10-Sep-02 C6C4C1 Malled Claircom United States 14-Mar-01 10-Sep-02 C7 09/520806 6449287 Claircom United States 08-Mar-00 10-Sep-02 CAMP AND	S	29/007592	D361568	Communications	Ollied Control		24,750	Seamless Hand-Off for Air-
C2C2 09/451579 Communications United States 30-Nov-99 CCAC1 Mailed Claircom United States 14-Mar-01 Communications United States 08-Mar-00 10-Sep-02 Communications United States 08-Mar-00 10-Sep-02 Communications Communications United States 02-Aug-02	S.C1	08/451719	6393281	Communications	United States	26-May-95	30-KBM-12	Mutti-Nodal Digital Telephone Distribution
Mailed Communications United States 14-Mar-01 Claircom Claircom Communications United States 08-Mar-00 10-Sep-02 Communications United States 02-Aug-02 Communications United States 02-Aug-02	. C.90.8			Claircom	United States	30-Nov-99		System Multi-Nodal Digital Telephone Distribution
Claircom Communications United States 08-Mar-00 10-Sep-02 Communications United States 02-Aug-02 Communications United States 02-Aug-02	1S.C6C4C			Claircom	United States	14-Mar-01		System Short Messaging Method and System for Alrborne
Claircom Communications United States (02-Aug-02	JS.C1				United States	08-Mar-00	10-Sep-02	Short Messaging Method and System for Airborne
_	375 US C1(1)	10/211929		Claircom	United States	1 02-Aug-02		Passengers

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Docket	Application	Patent		Country	Application Date	Date	Title	—т
Number	Number	Number	Owner				Wireless Communications	
·	MOADORS7 3	M9409857.3	McCaw Cellular Communications	Germany	14-Dec-94	10-Apr-95	Miralee Comminications	1
33.05	00000000000000000000000000000000000000	17729		Finland	21-Dec-94	29-Sep-95	Terminal	
33.FL. 1	100		McCaw Cellular	Finland	21-Dec-94	29-Sep-95	Wireless Communications Terminal	· [
53.FL.2	862/94	17730						
	766976	946994	McCaw Cellular Communications	France	22-Dec-94	31-Mar-95	Wireless Communications Terminal	
			McCaw Cellular	\ <u>c</u>	22-Dec-94	20-Apr-00	Wireless Communications Terminal	
153.IT	TO940000254	69309	McCaw Cellular	good	22-Dec-94	26-Feb-96	Wireless Communications Terminal	
153.JP	39446/1994	953799	Communications McCaw Cellular	Japan	70000	05-111-95	Wireless Communications Terminal	S
153.SE.1	942575	57901	Communications	Sweden	77-Dec-94			
			McCaw Cellular	Sweden	22-Dec-94	05-Jul-95	Wireless Communications Terminal	9
153.SE.2	942576	57902	Communications					
100	00/044380	6708226	Teleflex Information Systems, Inc.	United States	04-Sep-01	16-Mar-04	Processing System	
2001-1E001	08/868942	6332167	Teleflex Information Systems, Inc.	United States	04-Jun-97	18-Dec-01	Processing System	
			Teleflex Information	United States	19-Apr-94	16-Sep-97	Multithreaded Batch Processing System	
2001-TE001	08/229526	755000C	Teleflex Information	•	23.Feb. 05.	· .	Method and Apparatus for Processing Discrete Billing Events	ing in
2001-TE002	2184368		Systems, Inc.	Canada	25-081-57		Method and Apparatus for	ي ق
	1100000	5724584	Teleflex Information Systems, Inc.	United States	19-Apr-94	03-Mar-98	Events (1975)	. [
1	+		Teleflex Information Systems, Inc.	Canada	23-Feb-95		Batching Billing System	
2001-TE003	2184369							

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40,000	Application	Patent		Country	Application	Date	Title
Docker	Nimber	Number	Owner	Name			
Number							No-Reset Option in a
			Teleflex Information	States Chatter	27-Aug-01	02-Dec-03	Batching Billing System
	7000000	6658488	Systems, Inc.	United States			
2001-TE003	03/3005		 				No-Reset Option in a Batch
	•		Teleflex Information	004-40 F ::	28_1m-99	28-Aug-01	Billing System
		6262640	Systems, Inc.	United States	20-100-02		No Reset Option in a
2001-TE003	09/340384	6167070	Teleflex Information		30 00	07-Dec-99	Batching Billing System
		5000018	Systems, Inc.	United States	Co-Jair-62		No-Reset Option in a
2001-TE003	08/37/610	200000	Tologov Information				Ratching Billing System
			Custome Inc	United States	17-Jul-03		
SOUTTENNA C.	10/622106		Systems, mo-				18 B 7 B
2001-1-002							

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